

XH  
.0851

vol. 8  
1908















# HORTICULTURE

## INDEX TO VOL. VIII.

LIBRARY  
NEW YORK  
BOTANICAL  
GARDEN.

Illustrated articles are marked with a \*

	Page		Page		Page
<b>A</b>		<b>Boston:—(Continued)</b>		<b>Chicago:—(Continued)</b>	
Advertising as applied to the horticultural trade.....	166	—*Fruit exhibit at, A.....	867	—Plant trade in.....	111, 489
—When to stop.....	225	—Gardeners' and Florists' Club of 73, 165, 318, 348, 383, 508, 542, 643, 680, 782, *832.		—Retail notes.....	875
Agricultural education.....	450	*Bollinger, Emil.....	102	Chrysanthemum Society of America.....	476, 509, 742
Albany Florists' Club.....	204, 782	*Breitmeyer, Philip.....	615	—Report on new chrysanthemums 509, 543, 574, 604, 682, 708, 742, 782.	
—Personals.....	807	British Horticulture.....	99, 129, 161, 283, 315, 379, 738.	Chrysanthemums:	
Acknowledgement, An.....	316	Brown-tail, The ubiquitous.....	139	—Anna, Single flowered.....*	701, 705
Adaptation of soil to varieties, The	511	Brussels sprouts.....	779	—*Budlong's, House at J. A.....	800
After adjournment.....	284, 316, 635, 741	Buffalo Florists' Club.....	542, 604	—Early flowering.....	570, 601, 705
American Association of Cemetery Superintendents.....	249	—Outing.....	165	—*Four great.....	605
American Association of Park Superintendents.....	204, *258	—Unique flower show.....	739	—Golden Glow.....	473
American Carnation Society.....	318, 708, 864.	Bulbs, Bermuda.....	648	—*Gloria.....	545
—Carnations registered.....	39, 132, 318, 543, 708, 743, 782, 832, 864.	—Growing in America.....	323	—Indiana.....	576
—List of varieties.....	412	—Growing in Santa Cruz.....	872	—*Merza.....	639
American Institute dahlia show.....	444	—New freight rates from Japan..	684	—*Miss Clay Frick.....	831
American Rose Society.....	39, 288, 604, 864.	—Notes.....	385	—Notes.....	386, 775
—Meets at Niagara Falls.....	203	—Prospects, Easter lily.....	293	—Notes on promising novelties..	678
—Spring exhibitions.....	781	—Prospects, Bermuda and Japan lily.....	69	—*President Taft.....	678
American Seed Trade Association:		—Trade with France, Menace to American.....	322	—*Some novelties: Charles H. Totty, Clara Wells, Frank Payne, G. W. Pook, Mrs. O. H. Kahn, Mrs. Charles H. Totty, Pockett's Crimson.....	710
—Address of President Green.....	411	Business changes.....	15, 42, 79, 111, 145, 175, 224, 267, 297, 327, 361, 395, 422, 454, 486, 519, 551, 583, 614, 655, 687, 719, 750, 809, 841, 877.	—*Timothy Eaton.....	639
—President-elect W. S. Woodruff.	12	Busy People.....	801	—Vive le.....	204
Amherst, Floricultural education at.....	868	<b>C</b>		—*Wm. Duckham at Madison, N. J.....	665
Amherst show place, An.....	477	Canadian Horticultural Association.....	102, 288	—*Virginia Poehlmann.....	597
Anemone coronaria.....*	309, 316	Caricature, A.....	877	Clematises, Hardy, and other useful vines and shrubs.....	544
Angraecums.....	861	Carnations.....	199	Club and society notes.....	8, 73, 103, 133, 204, 249, 288, 318, 349, 384, 414, 445, 476, 510, 543, 574, 604, 646, 681, 708, 743, 782, 851, 865.
Anniversary celebration, An.....	615	—Bud rot.....	777	Color chart, A new.....	515
*Annals, Two neglected.....	349	—*Edward.....	801	Columbus Florist Club.....	444
Apple of gold, An.....	70	—Georgia.....	800	Coming events.....	133, 173, 225, 255, 295, 318, 359, 391, 414, 446, 477, 510, 543, 576, 608, 678, 709, 739.
—*Young trees.....	733	—*Marchioness.....	800	Connecticut Horticultural Society	384, 444, 642
—Show, National.....	865	—*O. P. Bassett, Home of.....	513	Conservatory architecture, An innovation in.....*	825, 831
Appraisers, Decisions of the board of.....	449, 716	—Outlook, An interesting.....	414	—View, A.....	*373, 379
Arnold Arboretum, Notes from the.....	5, 33, 65, 97, 163, 195, 313, 345, 378, 829.	—*Splendor.....	284	Correction, A.....	287, 414, 587, 746, 779
*Artificial lake and waterfall....	501	Catalogues received.....	74, 104, 108, 109, 137, 256, 292, 336, 389, 419, 452, 478, 516, 560, 580, 605, 648, 678, 716, 791, 793, 839, 873.	Cotter, Lawrence, gets a "send-off".....	446
Asparagus plumosus, Growing for fronds.....	741	Catalpa, Training the.....	43	*Cotton, Northern grown.....	137
Auratum, A double flowered.....*	316, 357	*Cattleya Citrina.....	775	*Cycas culture in Bermuda.....	446
*Avenue, A famous.....	70	—The most useful of.....	36	*Cyclamen as a Christmas plant..	785
<b>B</b>		Cauliflower crop, The.....	717	*Cypripedium Acteus Bianca.....	577
Back to the farm.....	170	—*Seed plantation, A.....	105	—*Godefroyae leucochilum.....	635
Baltimore City, Gardeners' and Florists' Club of.....	444, 508, 574, 643, 742, 834.	Change of partnership.....	684	<b>D</b>	
Bankruptcy, In...257, 363, 751, 818, 841		Chestnut disease, The.....	281	*Dahlia, Dreer's White.....	469
Bar Harbor Horticultural Society	834	Chicago:		—Jack Rose and a milestone....	817
*Beatty, H. B.....	201	—A new enterprise.....	592	—Some select.....	306
Bedding plants.....	210	—Christmas outlook.....	788	*Dendrobium Phalanopsis.....	507
Begonia Gloire de Lorraine, seedling.....	449	—*Coliseum, The.....	565	Denison Civic Improvement League.....	510, 782
—Culture of.....	779	—*Conservatory at Garfield Park.	450	Department store opening.....	487
Belgium, What they think of HORTICULTURE in.....	195	—Floral establishment, A.....*	857, 875		
*Berry Globes.....	582	—Florists' Club.....	348, 412, 476		
Boston Cooperative Flower Growers' Association.....	574	—Holiday window displays.....	874		
—Flower factory, Some lessons from.....	541	—Horticultural Society of.....	822		
		—Lincoln Park, Annual exhibition	782		
		—Notes.....	617		
		—Personals.....	174, 207, 327, 423		
		—Plant notes.....	581		

# HORTICULTURE

Page		Page		Page	
Detroit Florist Club....103, 204, 352, 508, 643, 708, 780, 865.		Editorials:—(Continued)		*Gladiolus of merit, A..... 603	
—In and about.....47, 204		—Hopeful gratitude; A Washing- ton diversion; An opening for a diplomat ..... 706		—Ruffled ..... 673	
—Personals ..... 721		—The national apple show; A national industry; Tariff revis- ion ..... 742		Glass situation, The..... 205	
Deutzias, Messrs. Lemoine's..... 103		—Our anniversary; A priceless heritage; An act of folly..... 778		Gloxinias .....*93, 97	
Dianthus Napoleon III.....199, 741		—A nest egg; Relief in sight; Ap- preciation at home and abroad. 830		*Grapes under glass..... 737	
*Downs, William..... 832		—Booming the fruit industry; 1908 good-bye; Where reform is demanded ..... 862		Greenhouses building or contem- plated ....8, 44, 74, 107, 135, 184, 235, 271, 306, 338, 354, 402, 427, 466, 498, 530, 562, 594, 626, 662, 698, 730, 819, 852, 871.	
Dreer decoration, A..... 511		Elberon Horticultural Society..287, 476		Greenwood plantation ..... 68	
*Duncan, J. W..... 258		*Ellwanger & Barry's exhibit at N. Y. State fair..... 743			
During recess....10, 49, 73, 101, 133, 225, 255, 287, 381, 673, 817.		Elmira, N. Y..... 641			
Dutchess County Horticultural So- ciety ..... 606		El Paso County Horticultural So- ciety ..... 317			
		Endymion ..... 195			
		Evergreens, Seasonable require- ments of the ornamental..... 601			
		Exaggerated report, An..... 577			

# HORTICULTURE

	Page
Massachusetts Horticultural Society....102, 203, 288, 317, 383, 476, 509, 604, *639, 681, 742.	
—Agricultural College.....	817
*McClure, G. W.....	201
*Meehan, Charles E.....	209
Melon crop, A fine.....	209
—*House.....	783
*Merry Christmas.....	765
Michigan Horticultural Society....	781
Mildew.....	170
Minneola fair, The.....	445
Minnesota State Florists' Association..412, *477, 574, 742.	
—State Horticultural Society.....	780
Missouri State Board of Horticulture.....	177
Montreal Horticultural Society....	413
Morris County Gardeners' and Florists' Club..413, 542, 679, 832.	
Morton, J. H., A tribute to.....	316
*Mount Clemens, A funeral design. 719	
Mount Desert Flower Show..203, *249	
—Horticultural Society.....	542
Mount Kisco fair.....	477
—show.....	676
Moving of two iron frame houses, The.....	786
*Musa Cavendishii.....	416
My Maryland and its home.....	411

## N

Nassau County Horticultural Society.....8, 72, 249, 382, 542, 641, 864	
National Chrysanthemum Society. 574	
—Dahlia Society.....	416
—Farm school.....	817
*Nerine Fothergilli major.....	776
New Bedford Horticultural Society.....382, 646	
New England Dahlia Society..318, 384, 412.	
—Haven County Horticultural Society.....	675
—London County Horticultural Society.....	414
—Orleans Horticultural Society, 103, 288, 412, 675, 742.	
Newport Horticultural Society..8, 384, 832.	
New Jersey Floricultural Society. 348, 509, 675, 835.	
New York agricultural experiment station.....	838
—And New Jersey Association of Plant Growers.....348, *381, 743	
—*Celebrity, A.....	687
—Christmas plant supply in.....	841
—Florists' Club..*39, 348, 382, 508, 643, 780, *833.	
—Horticultural Society of.....644, 676	
News notes....15, 47, 79, 111, 143, 175, 185, 207, 217, 260, 271, 294, 295, 297, 327, 352, 356, 393, 395, 401, 423, 455, 482, 487, 513, 551, 577, 578, 614, 619, 648, 651, 662, 687, 689, 698, 721, 751, 808, 818, 852, 869, 870, 872.	
Northern enterprise, A.....	137
North Shore Horticultural Society. 8, 317, 679, 708.	
Norwich, Conn., Exhibit at.....	607
Notable event for 1910.....	677
Novelties in prospect.....	213
Nurserymen, Western Association of.....	864

## O

Obituaries:—	
—Akers, H. R., 481; Allen, Wm. H., 7; Archer, John, 744.	
—Baker, John, *787; Balkwil, J. A., 546; Ballet, Chas., 869; Beatty, W. J., 787; Beu, Frank, 730; Black, A. L., 744; Boeck, Robert, 742; Bradford, Joseph, 682; Butcher, William, *386.	

## Obituaries:—(Continued)

—Cochran, Mrs. J. F., 447; Cooke, George, 208; Cole, James, Sr., 42; Coombs, R., 617; Cleveland, Mrs. A. W., 113; Craw, Alex., 138; Cummings, Mrs. Robt., 481.	
—Davies, Job, 318.	
—Eaton, A. A., 481; Ellis, Marcus, *7; Evans, George J., 579.	
—Fletcher, Dr. James, 682; Flowers, S. W., 720; Frederickson, F. O., 546.	
—Galvin, James, 481; Galvin, Jos. D., *359; Geraghty, T. H., 546; Gill, Miss Emma F., 423; Gindra, David, *7; Glins, Henry, 546; Goodhue, J. A., 175; Gorman, Mrs. J. S. H., 682; Greening, J. C. W., 175; Greiner, W., 653; Groll, Andrew, 653.	
—Hanson, G., 546; Harrison, Gustav, 579; Hatfield, Mrs. T. D., 386; Henderson, James, 730; Henshaw, Mrs. Samuel, 481; Hippard, E., *7; Hitchings, E. W., 42.	
—Johansen, Emil, *386; Johnston, Mrs. M. E., 579.	
—Kahles, George, 869; Kellogg, George M., *682; Kresken, Mrs. M. G., 787.	
—Leedham, E., 730; Lemmon, Prof. J. G., 787; Lewis, James, 730; Lilley, Isabella, 869; Lowe, J., 653; Lowry, J. A., 318.	
—Manning, F. E., 359; Marquisee, L. E., *744; McGann, J. A., 175; Meehan, P. H., 175; Mehorter, Hugh, 869; Meinz, Mrs. H., 138; Minott, J. W., 7.	
—Nisbet, J. A., 730; Nicholson, George, *481; Norton, F. J., *261; Novik, P. M., 757.	
—O'Connell, W. D., 481.	
—Pahud, Mrs. Alfred, 513; Paul, Jas. W., Jr., 447; Patterson, James, 138; Pearce, Henry, 787; Peniston, C., 295; Pfening, C. R., 73; Pierson, Mrs. P. M. R., 682; Pinoteau, A., 386; Poynter, Mrs. I. D., 73.	
—Rawson, W. W., *208; Regan, H., 386; Reynders, R., 73; Richardson, Charles E., 386; Rieger, Ch., 208; Rogers, Gilbert, 579; Ryser, J. A., 7.	
—Sambrook, George T., 7, *42; Sander, Louis H., *208; Saunders, G. A., 546; Schoelner, J., 481; Sills, J. E., 730; Slade, Walter, 787; Smith, H. W., 7; Smith, H. C., 850; Smith, M. R., 787; Storer, Charles, 510; Strong, F. M., 869; Studer, N., 787.	
—Taylor, A. J., 787.	
—Weir, Mrs. David, 850; Weisbecker, Charles, 485; Williams, Mrs. G. A., 7; Wolf, Gordon, 481; Wood, Mrs. E. M., 318.	
—Yantz, Mrs. George, 579.	
*Omaha Florists' Club outing.....	165

## P

Paris autumn show.....	866
Park administration.....	320
Pasadena Gardeners' Association. 133, 607.	
Patents Granted....17, 44, 74, 121, 135, 184, 209, 272, 306, 338, 402, 434, 466, 482, 530, 562, 594, 662, 698, 819, 885.	
*Pennock Bros. establishment....	578
Pennsylvania Horticultural Society.....384, 542, 851	
Peony farm of J. F. Rosenfeld, A visit to.....	40
—Observations, Some.....	105
Personal....15, 47, 78, 110, 111, 143, 175, 224, 260, 294, 326, 359, 390, 422, 455, 487, 518, 541, 585, 615, 635, 673, 719, 751, 807, 841, 870.	
*Petunias, Perfection in.....	103
*Phalaenopsis Stuartiana.....	377
Philadelphia:—	
—Christmas trade in.....	788

## Philadelphia:—(Continued)

—Event of the year in, The.....	649
—Florists' Club of...39, 317, 476, 604, 743.	
—Notes....81, 263, 297, 329, 363, 393, 519, 553, 577, 605, 643, 747, 842, 870.	
—Prize apples at.....	744
—Recreations.....	49
—Supplementary awards.....	676
—*Two gentlemen of.....	209
Phloxes, The propagation of.....	539
Phosphates, To save the.....	871
Pine Bank, Olmsted Park, Boston, *437, 441.	
—Plantations, Protecting against the gypsy moth.....	515
Pittsburgh:—	608
—*Celebration.....	480
—Exhibition.....	547
—Florists' and Gardeners' Club of 72, 348, 508, 644, 782, 850.	
—Notes.....	842
—Show place, A.....	576
Plant imports....419, 453, 479, 546, 591, 605, 648, 728, 792, 838.	
*Poehlmann Bros. establishment..	544
Poinsettias in Chicago.....	455
Presentation, A.....	545
*Primula Kewensis.....	35
—Obconica outdoors.....	69
Publications received...71, 73, 113, 139, 255, 292, 336, 357, 388, 452, 510, 580, 648.	

## R

Reappraisements.....	419
Retail florist establishment, A great.....	578
—Florists, Of interest to...14, 46, 142, 550, 582, 650, 686, 718, 840, 874.	
—Flower stores, New.....14, 47, 142, 224, 260, 327, 358, 391, 423, 455, 487, 519, 551, 583, 614, 651, 686, 719, 750, 806, 841, 876.	
Rhode Island Horticultural Society.....	676
—Florists' and Gardeners' Club..	679
—Industry, A.....	478
Rhododendrons at Regents' Park..	33
—*Plantations.....	533
*Rickards, W. B. Jr.....	833
Riverton, Aquatics at.....	71
*Robertson, James.....	865
Rockies, Rambles in the.....247, 347	
—Notes from the.....	673
Rocky mountain rambles...*537, *569	
Rose, A perpetual blooming Rambler.....	513
—Conrad F. Meyer.....	284
—Grower's perplexities, A.....	779
—Hybridization.....	168
—In every garden, A.....	415
—*Mrs. Jardine.....	475
—My Maryland.....	261
—Notes in season.....	775
Roses at Paris, New.....	196
—Deformed Bride.....	741
—From a retailer's view.....	134
—In Colorado.....	205, 270
—Out of door.....	289, 320
—Under glass.....67, 131, 197, 283	

## S

Salt on the tail of an idea.....	798
Same old story.....	416
*Sandiford, Chas.....	203
St. Louis Florists' Club...72, 249, 382, 509, 641, 680, 851.	
—Horticultural Society.....	641
Saxon fruit pest.....	626
Scale of points for floral arrangements.....411, 479	
*Schizanthus grandiflorus Bodingtoni.....*1, 5	
School exhibitions.....414, 416	

## HORTICULTURE

	Page		Page		Page
*Schultheis, Christmas spread, A...	746	Society of American Florists and Or-		Table:—(Continued)	
Schwaben Volkfest.....	381	namental Horticulturalists:—(Con-		—*Decoration, First prize.....	781
Scott memorial fund.....	354	tinued)		Tarrytown Horticultural Society, 8,	
Seed crop report, Holland; Canary		—Error in secretary's report.....	317	204, 642.	
Islands .....	322	—Secretary's note .....	348	Telekia cordifolia .....	448
—Onion seed in Teneriffe.....	748	—No trade exhibition.....	384	*Texas heath as a florists' flower..	478
Seedmen's League, Wholesale..	74, 749	—Freight concessions on cut flow-		Thrips in greenhouses.....	281
Seed Trade..	11, 45, 76, 108, 146, 172,	ers .....	412	Toledo Florists' Club.....	865
220, 256, 292, 324, 356, 388, 418,		—Rate on cut flowers.....	604, 644	*Tower hotel .....	7
452, 484, 516, 548, 612, 684, 716,		—Name of hydrangea.....	644	Trade outlook, The.....	391
748, 792, 838, 872.		—Practical results for the.....	708	*Traendly, F. H.....	200
Send for a diary.....	560	—Department of plant registra-		Tree stand, A serviceable.....	578
Shade garden of the castle at		tion .....	72, 255, 742	—*Buyer, The .....	669
Lieser, The .....	514	—S. A. F. National Flower Show..		Trees, Shade .....	315
Silene laciniata .....	447	101, 202, 348, 412, 444, 509, 543,		—Talks.....	538, 569, 670, 707, 774, 863
*Smith, Elmer D.....	864	*576, *629, 636, 742.		*Tulips, Home-grown .....	505
*Snake River country, Idaho, Fruit		—Short trips for visitors.....	610	Tunica Saxifraga fl. rosea pl.....	139
growing in .....	61	—*Some winning exhibits at Chi-			
Society of American Florists and		cago .....	636	U	
Ornamental Horticulturalists:—		—The chrysanthemums and carna-		U-bar recommended abroad.....	74
—Trade exhibition .....	72, 101, 132, 164	tions .....	636	Useful device, A.....	482
—Ladies S. A. F.....	73, 202, 255, 543	—The awards .....	637		
—Preliminary Program .....	100	—The banquet; Concise comments.	638	V	
—Transportation .....	100, 164, 201	—Concluding days and exhibits;		*Valentine, J. A.....	241
—Buffalo day .....	101	The visit to Poehlmann's.....	674	*Vandas .....	196
—Bowling trophies, special; Office		—Next National Flower Show,		Vincent festival, The.....	445
in Washington .....	164	The .....	865	Violet Growers' Mutual Associa-	
—*S. A. F. 1908.....	189	Southampton Horticultural Soci-		tion .....	865
—*F. H. Traendly .....	200	ety .....	317, 543	W	
—*G. W. McClure; W. F. Kasting;		Some more nonsense.....	480	*Walsh, John.....	203
H. B. Beatty .....	201	Something new .....	615	Washington chrysanthemum shows	
—Officers, directors, State Vice-		Springfield, Ohio, Florist Club... 679		.....	576, *606, 607
presidents .....	200	*Spokane interstate fair .....	575	—Florist Club of .....	39, 102, 177,
—Committee of 50; Program.....	201	State florists' associations, The		348, 476, 508, 604, 674, 742.	
—*Cataract and International ho-		value of .....	319	—Season .....	807
tels; Judges of trade exhibition.	202	Steamer departures.....	14, 46, 78,	Westcott, Commodore, gets a pres-	
—*Chas. H. Keitch; Chas. Sandi-		110, 142, 174, 224, 260, 294, 326,		ent .....	425
ford; John Walsh.....	203	358, 390, 422, 454, 486, 518, 550,		*West Virginia estate, A.....	790
—Opening session .....	250	582, 614, 650, 686, 718, 750, 806,		Where prosperity thrives.....	466
—President's address .....	250	840, 874.		Where the red flag floats in peace.	613
—*E. G. Gillett.....	251	Strawberries in winter, Care of.. 741		Wind and hail, Havoc of.....	10
—Secretary's report .....	252	Suburb, A wide awake.....	381	*Winnipeg Florists' Association..	160
—Treasurer's report; Report of		Swiss vineyards, Reconstruction of	515	Wireless, Florists' plant notes by..	416
committees; Cincinnati for 1909;		Sweet pea classification.....	447	—From Westerly, R. I.....	448
Nomination of officers; Welcome		—Competition .....	174	Winter song, A.....	779
to Canadian Horticultural Asso-		—Review for 1908.....	212	*Wittbold, George Co., New store	
ciation .....	253	—Seed, Reliability of American		of .....	646
—The exhibition .....	254	grown .....	685	—*Cement bench .....	135
—Convention notes .....	255	—Winter flowering .....	37	Worcester County Horticultural	
—*Group at convention.....	277			Society .....	509, 676
—Story of convention concluded..	285				
—Report of committee on horticultural education in the public schools; Report of State Vice-president of Maryland.....	286				

The above index to contents of Vol. VIII, covering a period of six months, added to similar index to Vol. VII, gives some idea of what **HORTICULTURE** returns you for **your dollar** when you pay one year's subscription. Can you make a better investment of a dollar for yourself, your employer or your friend, for 1909?



# HORTICULTURE

Vol. VIII

JULY 4, 1908

No. 1



*Photo by W. H. Ward.*

SCHIZANTHUS GRANDIFLORUS  
BODDINGTONI

Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests

Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# GERANIUMS

## OUR SPECIALTY!

WE are prepared to grow Geraniums on quite an extensive scale next season, and are making very interesting prices on orders booked now for delivery during the Fall and Winter. Send us a list of what you can use and when you will be ready for them and see what we can do for you. Only plants from 2-in. pots. We do not send out rooted cuttings.

**WE HAVE A SPLENDID LOT READY FOR IMMEDIATE SHIPMENT FROM 2-IN. POTS, IN FINE SHAPE.**

Standard Sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, single or double, all good sorts, a splendid collection to stock up on.

Newer Varieties selected from the finest introductions of 1905-6 at \$6.00 to \$8.00 per 100.

Novelties, one each of 50 varieties for \$5.00, from 1907 introduction from Bruants, Lemoine, Rozain, Boucharlat, Callells and other specialists.

SMILAX, strong plants, \$2.00 per 100.

COLEUS, Golden Bedder and Verschaffeltii, 2 in., \$2.00 per 100.

3 in., 3.00 per 100.

BEGONIA, Vernon and Gracilis, 2 in., \$2.00 per 100.

HARDY CHRYSANTHEMUMS, \$2.00 per 100. 500 in 20 varieties, our selection for \$9.00. 1000 in 20 varieties our selection for \$17.50, strong plants from 2 in. pots.

**R. VINCENT JR. & SONS COMPANY, White Marsh, Md.**



## COLD STORAGE

### LILIUM SPECIOSUMS AND AURATUMS, &c

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

#### LILIUM SPECIOSUM RUBRUM—Cold Storage.

8-9 inch bulbs, 225 in a case.....\$6.50 per 100; \$60.00 per 1000

9-11 inch bulbs, 125 in a case.....\$10.00 per 100; \$90.00 per 1000

#### LILIUM SPECIOSUM ALBUM—Cold Storage.

8-9 inch bulbs, 225 in a case.....\$9.00 per 100; \$80.00 per 1000

9-11 inch bulbs, 125 in a case.....\$14.50 per 100; \$140.00 per 1000

#### LILIUM SPECIOSUM MELPOMENE—Cold Storage.

8-9 inch bulbs, 225 in a case.....\$7.50 per 100; \$70.00 per 1000

9-11 inch bulbs, 125 in a case.....\$11.00 per 100; \$100.00 per 1000

#### LILIUM AURATUM—Cold Storage.

9-11 inch bulbs, 125 in a case.....\$9.00 per 100; \$85.00 per 1000

#### LILIUM LONGIFLORUM GIGANTEUM—Cold Storage.

7-8 inch bulbs, 300 in a case.....\$8.00 per 100; \$70.00 per 1000; \$21.00 per case

7-9 inch bulbs, 300 in a case.....\$9.00 per 100; \$85.00 per 1000; \$25.00 per case

9-10 inch bulbs, 200 in a case.....\$14.00 per 100; \$130.00 per 1000; \$25.00 per case

All Cases Repacked and Bulbs guaranteed sound

**ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK CITY**

## TUBEROSES

**EXCELSIOR DWARF PEARL**

3 x 4 \$ .60 per 100, \$5.00 per 1000

4 x 6— 1.00 per 100, 8.00 per 1000

**STUMPP & WALTER CO., 50 Barclay Street, NEW YORK**

**BEWARE** —of the— **Advertise! Advertise!** Space in Horticulture is reasonable and effective. Try it and you'll have no surplus to throw away.

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR

BUSH PLANTS IN POTS

Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early, Mid-season and Late, 2½ in. 50c per doz., \$3 per 100. 4½ in. in pots, \$1 per doz., \$8 per 100.

**PRIMULA OBCONICA and P. CHINENSIS**

Best Varieties

Ready July 15th, 2½ in. pots, \$1.00 per 100, \$25.00 per 1000.

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.

Formerly Garfield Park Flower Co.

## Bedding Plants

All Kinds, Stocky, Good Size, Low Price. Can supply the Trade in quantity.

### Just Received

A big shipment of ARAUCARIAS, PALMS, etc. Orders taken now for import for fall delivery.

## A LEUTHY & CO.

PERKINS ST. NURSERIES

ROSLINDALE, MASS.

### Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100

\$140.00 per 1000

**Thomas Roland,**

*Nahant, Mass.*

### Begonia Gloire de Lorraine

Strong 2½ in. pot plants, leaf cuttings, \$15 per 100, \$140 per 1000. Early June delivery or NOW if wanted.

S. S. SKIDELSKY, 1741 No. 18th St. PHILADELPHIA

## FERNS IN FLATS

All the Leading Sorts

**READY JULY 1st**

Terms and Prices on Application

**E. LEULY, 528 SUMMIT AVENUE W. Hoboken, N. J.**

### NEP. WHITMANI

2¼ in., \$5.00 per 100

### NEP. WHITMANI

3½ in., \$25.00 per 100

### BOSTON FERNS

2¼ in., \$3.00 per 100

**H. H. BARROWS & SON Whitman, Mass.**

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1

Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**

Rutland Road and E. 45th St.

Tel. 2890 Bedford

**BROOKLYN, N. Y.**

# CANNAS

**STARTED PLANTS in 3½ and 4-in. POTS  
READY FOR IMMEDIATE PLANTING**

Mme. Nardy, Mlle. Berat, Robert Christie, Golden King, Pennsylvania, L. Patry, Florence Vaughan, Pandora, Austria, Rohallion, Pierson's Premier, Queen Charlotte, Frederick Benary, etc.

**EXTRA STRONG PLANTS, \$6.00 PER 100**

## VINCAS AND ENGLISH IVIES

Extra fine plants in ½ and 4 inch pots, for vases, tubs, etc.  
\$8.00 per 100; extra size, \$10.00 per 100.

## HYDRANGEA OTAKSA

**LARGE PLANTS IN TUBS AND HALF-BARRELS FOR JULY AND AUGUST FLOWERING.**  
We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity—  
from single plants up to carload lots. Large plants in tubs, \$1.00 and \$2.00 each. Extra large plants in half-barrels, \$5.00 and \$7.50 each.

**NASTURTIUMS.** Bushy plants, 3 inch pots, \$6.00 per 100.

**SALVIAS, Bon Fire.** 2½ inch pots, \$4.00 per 100.

**AGERATUM.** 2½ inch pots, \$3.00 per 100.

**MOON FLOWERS.** 2½ inch pots, \$6.00 per 100.

**COLEUS, assorted.** 2½ inch pots, \$3.00 per 100.

**ALYSUM, Tom Thumb.** 2½ inch pots, \$1.00 per 100.

**CROTONS, for bedding.** Extra strong plants, 3½ inch pots, \$2.50 per 100; 5 inch pots, \$5.00 per 100.

**ACALYPHA MUSAICA.** Extra choice, for bedding. 2½ inch pots, \$6.00 per 100.

**PANDANUS VEITCHII.** 5 inch pots, \$9.00 per dozen; 6 inch pots, \$12.00 per dozen; large plants, \$2.00 to \$3.50 each, according to size.

**FICUS ELASTICA.** 5 inch pots, \$4.00 per doz; 6 inch pots, \$6.00 per doz.

**DRACENA FRAGRANS.** Extra large plants, 6 inch pots, 3 feet high, \$12.00 per dozen.

**FERNS, assorted.** Extra heavy plants, 2½ inch pots, \$3.00 per 100; 3½ inch pots, extra heavy, \$10.00 per 100.

**NEPHROLEPIS PIERSONI ELEGANTISSIMA.** 2½ inch pots, \$6.00 per 100; 3½ inch pots, \$15.00 per 100; 6 inch pots, \$6.00 per dozen; 8 inch pots, \$12.00 per dozen.

**BOXWOOD, Pyramids.** Extra fine plants, \$2.00 and \$3.00 each.

**PANSIES, ENGLISH DAISIES, and FORGET-ME-NOTS.** \$3.00 per 100.

**CARNATIONS, Winsor and White Enchantress.** We can supply these in quantity, ready for immediate planting. Strong established plants from 2½ inch pots, \$7.50 per 100, \$60.00 per 1000.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Araucarias, Kentias Bay Trees

**Araucaria Excelsa Glauca,** Sp cimen Plants, 7 in. pots, 6 year old, 5 tiers, 25 to 40 inches high, same in width, \$2.00, \$2.50, \$3.00 to \$4.00 each; 6 in. pots same variety, \$1.25 to \$1.50.

**Robusta Compacta,** 6 in. pots, \$1.25, \$1.50 each.

**Excelsa,** 3 tiers, 8 to 10 inches, 5½ in. pots, 40c; 5½ to 6 in., 2 to 3 years old, 3, 4, 5 tiers, 10 to 20 inches high, 50c, 60c, 75c, \$1.00 each.

**Kentia Belmoreana,** 5½ to 5½ in. pots, 22 to 25 ins. high, 50c, 60c, 75c; 4 in. pots, 20 to 22 in., 35c.

**Forsteriana,** 7 in. pots, made up, 40 in. and above, \$3.00 each. 6 to 7 in. 30 in. high, single, \$2.00. 6 in. pots, 30 in. high, \$1.50. 6 in. 25 to 28 in. high, 75c to \$1.00 each. 5½ in. pots, 20 to 25 in. high, 50c to 60c.

**Bay Trees,** just arrived from Europe, Standard, 8-ft. high from top of tub, crown 30 inches in diameter, per pr., \$15.00.

**Solanum or Jerusalem Cherries,** new improved strain, 2½ in. pots, \$5.00 per 100.

**Begonia Gloire de Lorraine,** raised from leaf cuttings, 3 inch pots, ready for shift into 4 or 5 inch, 25c.

Cash with order, please. All goods must travel at purchaser's risk

## Godfrey Aschmann

Importer, Wholesale Grower  
and Shipper of Pot Plants

1012 West Ontario St. Philadelphia, Pa.

**Asparagus plumosus nanus,** Sprengeri, 3 in. \$3.00 per 100.

**Aspidistra,** excellent plants, 5 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.

**Araucaria excelsa,** \$25.00 per 100 upwards.

**Adiantum cuneatum,** 3 in., \$3.00 per 100.

**Ficus elastica (Rubbers)** 5 in., \$20.00 per 100.

**Dracena indivisa,** \$4.00 to \$25.00 per 100.

" Sanderi, 3 in., \$15.00 per 100.

" Godseffiana, 3 in., \$6.00 per 100.

**Cocos Weddelliana,** 3 in., \$10.00 per 100.

**Latania Borbonica,** \$5.00 per 100 upwards.

**Kentia Forsteriana and Belmoreana,** \$9.00 per 100 up to \$10.00 each.

**Smilax,** 3 in., \$2.50 per 100.

**Polioetia,** 3 in., \$6.00 per 100.

**Nephrolepis Scotti, Piersonii,** 3 in., \$5.00 per 100.

**Bostoniensis,** 3 in., \$3.00 per 100.

Absolute Satisfaction Guaranteed.

**M. H. ROSE, 46 Macomb Street, Detroit, Mich.**

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## BAY STATE

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

## ROSES

Well rooted 3 in., ready for shipment—

**Uncle John, Chatenay, Golden Gate, Ivory Bridesmaid and Bride**

\$4.00 per 100, \$35.00 per 1000.

**Dracaena indivisa,** fine thrifty stock in 3 in. \$5.00 per 100. Special price by the 1000.

**Hydrangea Otaksa,** 2½ in. \$2.50 per 100, \$21.00 per 1000.

**Vinca variegata,** heavy, splendid color, 3 in. \$6.00 per 100, 4 in. \$10.00 per 100.

**JOHN C. HATCHER  
AMSTERDAM, N. Y.**

Stores: Amsterdam and Green-Town of Florida  
Schenectady houses / and Hoffmans

**A. N. PIERSON, Inc.  
CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

**CHRYSANTHEMUMS**

In all standard varieties and colors now ready for planting from 2½ pots, \$3.00 per 100, \$20.00 per 1000.

**CHARLES H. TOTTY, Madison, N. J.**

## CARNATIONS

**F. DORNER & SONS CO.**

La Fayette, Ind.

**BEST VARIETIES**

Field-grown

**CARNATION PLANTS**

CHICAGO CARNATION CO.

A. T. PYFER, MGR.

JOLIET, ILL.

**JOHN E. HAINES**

Bethlehem, Pa.

Field plants of the following varieties will be ready by August 1st.

John E. Haines, red Imperial variegated Pink Imperial, Pink Enchantress, Light Pink  
Place your orders early for Jan. delivery.

**VIOLETS**

PRINCE OF WALES and GOVERNOR HERRICK

Good strong plants out 2½ in. pots, \$2.00 a Hundred.

**HEISS—Florist**

112 So. Main Street, DAYTON, OHIO

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
LILIES  
PLANTS  
BAMBOO STAKES

# ROSES

100 of the best Hardy sorts.

## HYBRID PERPETUALS

Finest English Grown Plants

Dozen, \$3.50; 100 \$25.00

## EVERBLOOMING HYBRID TEAS

Bloom from Midsummer until frost.

Dozen \$5.00; 100, \$35.00

## Hardy Climbing Roses

All the leading sorts.

Catalogue Free on Application.

## R. & J. FARQUHAR & CO.

6 and 7 So. Market Street,  
Boston, Mass.

## ROSES OWN ROOTS

Strong, healthy stock, propagated from grafted plants. We must dispose of these at once to make room for planting.

Brides, Maids, Killarney, Richmond

3 in. \$4.00 per 100; \$35.00 per M.

Per 100 Per 1000

Grafted Killarney, 3 in. strong \$12 \$100

Mme. Chatenay, own root, 4 in., 5 45

extra fine . . .

S. J. REUTER & SON  
WESTERLY, R. I.

# ROSES

Strong, Clean Stock.  
Grafted, Killarney,  
Richmond, Brides  
and Maids \$12.00

per 100, \$110.00 per  
1000. Own Roots, Brides, Maids, Gates,  
Ivory, Perle, Killarney and Richmond. \$6.00  
per 100, \$55 per 1000. All from 3½ in. pots.

P. R. QUINLAN, Syracuse, N. Y.

Hardy Rhododendrons Azaleas Con-  
ifers, Clematis, H. P. Roses, Shrubs  
and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Westchester Heights  
P. O. No. 1, Hoboken, N. J.

In ordering goods please add "I saw  
it in HORTICULTURE."

## ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

# PALMS Home Grown.

## KENTIA BELMOREANA

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in.	\$1.00	\$12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in.	1.25	15.00
6-in. pot, 6 to 7 leaves, 26 to 28 in.	1.50	18.00
6-in. pot, 6 to 7 leaves, 30 to 36 in.	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in. heavy	2.50	30.00

## COCOS WEDDELIANA

2½ in. pot, 8 to 10 in. high	10 cents each
2½ in. pot, 10 to 12 in. high	15 cents each

A FULL LINE OF

## KENTIAS

(All Sizes) READY IN JULY

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

## JOHN WATERER & SON, Ltd. American Nursery, Bagshot, England

[Are Specialists in the

## REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varie-  
ties of Hardy Border Plants.

FINEST LOT OF

## HARDY HYBRID RHODODENDRONS

ALSO DWARF RHODODENDRONS  
ANDROMEDA FLORIBUNDA

READY FOR IMMEDIATE SHIPMENT

ORDER TODAY

**EASTERN NURSERIES,** JAMAICA PLAIN,  
MASS.

## HARDY NORTHERN GROWN NURSERY STOCK

At Reasonable Prices

FRUIT AND ORNAMENTAL TREES, SHRUBS, VINES, ROSES AND  
HERBACEOUS PERENNIALS IN GREAT VARIETY

Catalogue and Price List for the asking

BAY STATE NURSERIES, NORTH ABINGTON, MASS.

## The Roses that Win

MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.  
Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.

# ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove  
PA.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000  
3 in. splendid stock, \$4 per 100, \$40 per 1000

The E. G. HILL CO., Richmond, Ind

## AMERICAN NURSERY CO., COMBIN- ING

FRED'K W. KELSEY, New York City  
F. & F. NURSERIES, Springfield, N. J.  
BLOODGOOD NURSERIES, Flushing, L.I.  
N. J. & L. I. NURSERIES

We can supply you every need. Write for prices  
Sales Department

150 BROADWAY, - NEW YORK

In writing to Advertisers kindly mention Horticulture



## Notes from the Arnold Arboretum

Midsummer marks the turning point in regard to the ornamental features of our shrubberies; the number of flowering trees and shrubs and particularly of those with very showy flowers is decreasing considerably, while the ornamental fruits begin to make their appearance to compensate for the diminished number of flowers. There are, however, still a few trees and shrubs of great beauty in bloom at this time and among them the showiest are the Catalpas, which are hardly surpassed by any other trees when covered with their great panicles of large white flowers. The hardier *Catalpa speciosa* with larger flowers in somewhat smaller panicles is already out of bloom; while *C. bignonioides* which flowers about two weeks later is scarcely opening its first flowers; the Japanese *C. ovata* (*C. Kämpferi*) now in full bloom with its small yellow flowers is far less beautiful than the two American species. The rare *C. Bungei* from northern China, not to be confounded with *C. bignonioides* var. *nana*, often cultivated under the name of *C. Bungei*, has not yet flowered here. For a long time it was lost to cultivation, until a few years ago Professor Sargent succeeded in introducing it again directly from Peking. Its flowers are similar to those of *C. bignonioides* but are disposed in few-flowered corymbs, the leaves are smaller, of a brighter green and usually furnished with a few large teeth.

The Chestnut, *Castanea dentata*, though less showy is now very attractive covered with its slender spikes of creamy white flowers. Of similar appearance but low and shrubby is the Chinquapin, *C. pumila*, which has proved perfectly hardy at the Arboretum, though it is a southern species.

*Robinia Holdtii*, a hybrid of *R. neo-mexicana* and *R. Pseudacacia*, is now showing a second time its racemes of pink flowers; it is a handsome small tree and well worth a place in the shrubberies.

*Rose lucida* and *R. humilis* are now brightening up the borders of the shrubberies with their pink sweet-scented flowers; they are not only handsome in flower, but also attractive in winter with their bright red hips and purple stems; there is also a pretty variety with large white flowers which has green stems.

The summer-blooming Spiraeas are now coming into flower; they belong to the section *Calospira* and *Spirararia* and their flowers range in shades from light pink to purple, rarely white. Those of the first section are characterized by flat flower clusters borne at the ends of the stems; the best known of them are *Spiraea japonica* and *S. Bumalda* and a very popular variety of the latter is *Anthony Waterer* with deep crimson-purple flowers. Of the allied genus *Sorbaria* the well known *S. sorbifolia* is now in bloom; with its large panicles of white flowers and bright green pinnate leaves it is very attractive, but otherwise it is of rather stiff habit and spreads much by suckers; it is one of the first shrubs to burst into leaf in spring. Much more graceful is *Holodiscus discolor* which forms a broad shrub with arching branches bearing large panicles of creamy white flowers; it is very well suited for planting as a single specimen on the lawn or on projecting parts of the shrubbery where it is not cramped in by other shrubs.

With their light and feathery appearance the slender branches topped by large and loose panicles of pink flowers the Tamarix are unique among the shrubs now in bloom; *Tamarix Odessana* and *T. Pallasii* have pale pink flowers, while *T. hispida* (*T. kashgarica*) and its variety *aestivalis* have flowers of a deeper pink. They

are all excellent shrubs for side planting and will even grow well in the very spray of the salt water.

The Smoketree, *Cotinus Coccinea* or *Rhus Coccinea*, is beginning to look beautiful covered with its feathery panicles resting like a cloud of purplish smoke on the shrub; it varies in the color of its fruiting panicles from greenish to purple and a particularly deep purple form is distinguished as var. *atropurpurea*. The American Smoketree, *Cotinus americana*, is far less showy in fruit, but equally beautiful or perhaps more so in its autumnal coloring.

The Mountain Elder, *Sambucus racemosa*, is very handsome with its great clusters of coral-red berries disposed along the branches; it is otherwise a somewhat coarse shrub and is not long-lived which is probably the reason that it is not planted so much as it deserves for its ornamental fruits; as a mountain plant it delights in cool and partly shaded situations.

With its brownish-red berries hanging on slender stalks from the spreading branches *Elaeagnus laevis* is now exceedingly handsome; the fruits which are of an agreeable sub-acid flavor may be used for jellies.

Besides those mentioned in an earlier issue many more Honeysuckles are now beginning to ripen their fruits as *Lonicera tatarica*, *L. Morrowii*, *L. Ruprechtiana* and the numerous hybrid forms between these species. Among the others one of the most beautiful is the recently introduced *L. Altmannii* with bright orange red pendulous berries which are much more handsomer than the rather insignificant white flowers; it is nearly related to *L. hispidula* which has also bright red berries, but less showy, as they are partly enveloped by whitish bracts. Another Honeysuckle more beautiful in point than in flower is *L. involucrata* as well as *L. Ledebourii*, both with pendent purplish black, glossy berries surrounded by large purple bracts.

*Alfred Rehder*

Arnold Arboretum, Jamaica Plain, Mass.

## Schizanthus

The Schizanthus when well grown is one of the most desirable annuals for greenhouse culture. As a conservatory plant it is unequalled, lasting in bloom for months; as a cut flower for dinner table, or other decoration it is one of the loveliest things that can be used. The past season we have used it frequently, for a most critical family, and it never failed to bring forth admiration. It is of very easy culture, but will not stand cooling in any shape or form. The young plants should never be allowed to become stunted, or pot bound, but should always be kept on the move. A cool treatment is what it delights in.

The finest variety that I have had the privilege of growing yet is the one I have here, and it is indeed a fine show. It is snow white, a single spray and was the first to show the double flowers and not the single flowers. This is indeed a splendid variety, and the producer, A. T. Boddington, deserves great credit for it. The flowers are most varied in color, from white to red, and the habit is a that can be desired for a pot plant, being very compact and bushy.

*W. H. Waite*

# HORTICULTURE

VOL. VIII

JULY 4, 1908

NO. 1

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50  
**ADVERTISING RATES**

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

Page

COVER ILLUSTRATION—Schizanthus grandiflorus Boddingtoni.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	5
SCHIZANTHUS—W. H. Waite	5
OPITUARY:	
David Gindra, Portrait—J. W. Minott—George T. Sambrook—H. Wilson Smith—William H. Allen—William Taylor—Jacob A. Ryser—Mrs. George A. Williams—Marcus Ellis, Portrait—The Late E. Hippard, Portrait	7
GARDENIAS FOR WINTER BLOOMING—J. H. Troy.	7
NEWS OF THE CLUBS AND SOCIETIES:	
Nassau County Horticultural Society—North Shore Horticultural Society—Newport Horticultural Society—Tarrytown Horticultural Society—Club and Society Notes	8
DURING RECESS	10
New York Florists' Club Outing—Picnics in Prospect	10
SEED TRADE:	
American Seed Trade Association—President's Address	11
President-elect, W. S. Woodruff	12
Seed Trade Notes	13
OF INTEREST TO RETAIL FLORISTS:	
Detroit—Steamer Departures—New Retail Flower Stores	14
FLOWER MARKET REPORTS:	
Boston Buffalo Chicago Indianapolis New York, Philadelphia, Twin Cities	17
MISCELLANEOUS:	
Incorporated	7
Greenhouses Building or Contemplated	8
Hayoc of Wind and Hail	10
Horticultural Illustrations	10
Personal	15
News Notes	15
Business Changes	15
List of Patents	17

just as hard but have failed to realize from their labor what they felt they had a right to expect; those who have been made to feel the effect of the financial depression of the past year and there are many such—whose vacations will fall far short of what they had been looking forward to. For such the disappointment will be alleviated by the prospects of the good year which every one believes is coming and cheered by

"Hope, of all ills that men endure,  
 The only cheap and universal cure."

The newspaper never gets a vacation, be the times prosperous or otherwise. With clock-work regularity each issue must appear and it must be ever on

the alert with ceaseless vigilance to gather and record the manifold happenings that interest the little world in which and for which it lives. With the present issue HORTICULTURE enters upon its eighth volume—the last half of its fourth year. The eyes of thousands have watched it grow and hosts of friends and well-wishers have observed with unfeigned pleasure its healthy progress through infancy towards robust youth. The outlook appears very rosy to HORTICULTURE. Now safely beyond the critical period through which every periodical must pass and from which so small a proportion ever emerge it can look forward with complacent confidence to the larger responsibilities which are its manifest destiny. The field for usefulness on the lines chosen for HORTICULTURE is practically limitless and the situation as it appears to us is full of inspiration. All this has been made possible through the hearty encouragement and generous support of friends true as steel. We have found the horticultural profession richly endowed with such men.

We note with much satisfaction the unmistakable growth of late in numbers and strength of the horticultural organizations as evidenced by the club and society news that

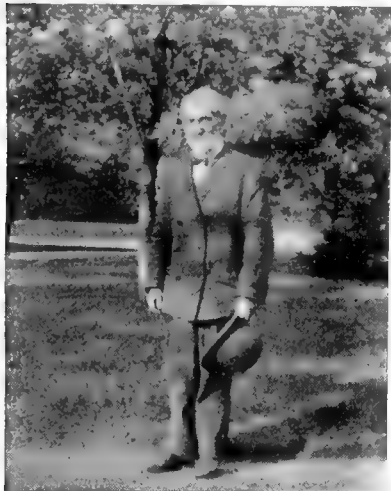
comes to hand from week to week. It is becoming more and more evident that in horticulture, as well as in every other line of civilized activity, in the clubs and societies are to be found the men who represent the highest type of intelligence, manliness and business ability. The really strong men—those who are making or are destined to make their mark on American horticultural industry—are to be found on the membership roll of one or many of the organizations working for horticultural improvement. As intelligence advances ignorance and prejudice must recede and the man of broad-gauge character does not stop to ask that old question, as selfish as it is foolish—"What good will it do me to join?" for he realizes that the advantages of affiliation are mutual and that the individual confers upon and receives from his fellows in such alliances benefits in equal degree. Where you find a man who boasts that he has nothing to do with and takes no interest in any association within whose jurisdiction he follows his vocation, be assured "there's a screw loose" somewhere.

Now comes the month of vacations, a joyous one to those who have toiled faithfully and unceasingly all through the long year and have been adequately recompensed and can now turn to rest and recreation with the consciousness of duty well done. There are others, no doubt, to whom the season of relaxation brings scanty comfort; those who have worked perhaps

## Obituary

### David Gindra.

This much beloved old-time gardener passed away at his home in Poughkeepsie, N. Y., on Friday, June 19, at the age of 75. He had been gardener on the Beck estate for 45 years and was recognized as a horticulturist of ability and high standing. He was a member of the Dutchess County Horti-



DAVID GINDRA.

icultural Society and had been for many years a member of the S. A. F. He is survived by his wife and two sons, both of whom are in the greenhouse business. The funeral was held from the home of his son, Conrad, on Monday morning, June 22, and was attended by a large representation of the horticultural profession. Numerous floral offerings testified to the esteem, love and respect in which Mr. Gindra was held by the community. Mr. Gindra and the late Thomas DeVoy were bosom friends for nearly fifty years. One of the local papers commenting on Mr. Gindra's death has this to say concerning him, every word of which we endorse:

"David Gindra lived his long life in harmony with all men. There are few who are endowed with the gentle, kindly spirit and sense of justness and fairness, which marked his character. Mr. Gindra was modest and unassuming in his ways. He made friends as time and occasion prompted, but never sought approval or looked for commendation. He did his duty faithfully and was true to every trust reposed in him."

### J. W. Minott.

J. W. Minott, for many years identified with the florist trade in Portland, Me., died suddenly at his home in Pleasantdale on June 23. Mr. Minott was born in the West Indies, although his parents were natives of Brunswick, Me. His age was 74. A widow and one son and daughter survive him.

### George T. Sambrook.

George T. Sambrook, an old and highly respected florist of Watervliet,

N. Y., died on June 20, aged 70 years. Mr. Sambrook was born in London, England, but came to this country when a boy, and has resided in Watervliet for fifty years, during thirty of which he has been engaged in the florist business. Mr. Sambrook served during the Civil War, and was badly wounded at the battle of the Wilderness. He leaves three sons and one daughter.

### H. Wilson Smith.

H. W. Smith of Mittineague, Mass., who for several years was engaged in the floral business, but was recently connected with the state experiment station in the gypsy moth department, died on June 21. A widow survives him.

### William H. Allen.

William H. Allen, who has been associated for nearly thirty years with the Hospital for the Insane, in Augusta, Me., as gardener and florist, died on June 25 at the age of 51. A widow and one son survive.

### Jacob A. Ryser.

Jacob A. Ryser, a native of Switzerland, and for several years a leading florist in Bellefontaine, O., died on June 19 at the age of 99.

### Mrs. George A. Williams.

The wife of George A. Williams of the Taunton Greenhouses, Taunton, Mass., died recently.

### Marcus Ellis.

Marcus Ellis, senior member of the Ellis Bros. Company, Keene, N. H., died on June 13. Ellis Brothers have been in the florist business many years in Keene, and deceased was well and favorably known, especially throughout the New England horticultural trade. He was born in Royalton, Vt.,



MARCUS ELLIS.

September 1, 1845. He removed to Keene when 19 years of age and went into the iron foundry business, in which he continued until 1880, when he gave it up to take charge of the greenhouses which he had established

six years before with his brother Albert, and which, after the withdrawal of his brother he continued under the same firm name. Four years ago, Mr. Ellis suffered a paralytic shock and at that time Frank Chapman was taken into partnership and the Ellis Bros. Co. was formed. Mr. Ellis was a successful business man, an exemplary citizen and was possessed of a remarkably serene disposition, which made for him a host of friends. He leaves a widow and four children.



THE LATE E. HIPARD.

## GARDENIAS FOR WINTER BLOOMING.

### Editor HORTICULTURE:

Will some of the readers of HORTICULTURE please give some information on the cultivation of Gardenias for winter blooming?

### SUBSCRIBER.

Replying to the above inquiry, almost anyone can grow gardenias. My experience is that the principal secret in getting them to flower during the winter is not to allow the plants to go to rest during the fall; that is, as soon as it becomes a little cool in the early fall the plants are very likely to be set with some buds, and they ought to be kept going right along, even if the flowers go to waste, as if you permit them to go to rest, let them be ever so plentifully supplied with buds, I have found it impossible to start them into growing again before the spring.

Keep them growing, if possible, with plenty of heat and moisture during the months of September, October, November, December and January, and you ought to get a good supply of flowers; of course, they will flower of their own accord during March and April, etc.

J. H. TROY.

### INCORPORATED.

Hermann Bros. Co., Council Bluffs, Iowa.

Emporia Fruit Growers' Association, Emporia, Va.; J. D. West; C. F. Masterson. F. W. Howard, of Belfield, capital \$15,000.

# NEWS OF THE CLUBS AND SOCIETIES.

## NASSAU COUNTY HORTICULTURAL SOCIETY.

The Nassau County Horticultural Society held a rose show on June 23rd, which not only brought together roses, but nearly all other flowers in season. The exhibition was open from five until nine P. M., and attracted quite a number of people. A silver cup was given by Ernest Pester, Glen Cove, silver medals by Adolph Jaenicke, Floral Park, and Charles Bertanzel, Roslyn, and there were a number of prizes offered by the society. Some things were put up only for exhibition, which included a fine display of cut-flowers from John F. Johnston, gardener to Paul Dana. The show committee of which S. J. Trepess was chairman, deserve credit for the way they discharged their duties. Adolph Jaenicke and Charles Bertanzel acted as judges. The awards were as follows:

Collection of roses, 1st, silver cup, George Wilson, gardener to Mrs. B. Stern; 2nd, Alex. Lothman, gardener to E. R. Eldridge. Sweet peas, 1st, silver medal, C. W. Knight, gardener to Mrs. E. R. Ladew; 2nd, S. J. Trepess, gardener to J. R. Maxwell. Certificate of culture, George Ashworth, gardener Queen estate. Honorable mention, Henry Gaut, gardener to H. L. Pratt. Collection of outdoor flowers, 1st, silver medal, Valentine Cleres, gardener to F. S. Smith etc. Vote of thanks, Ernest Pester. Collection of crimson ramblers, certificate of merit, Henry Gaut. Vase of crimson ramblers, Oscar Adder. Delphiniums, cultural certificate, Alex. Mackenzie, gardener to Percy Chubb. Liliun candidum, Geo. Wilson. Japanese iris, Alex. Lothman. Phlox Drummondii, Oscar Adder. Gloxinias, 1st, C. W. Knight; 2nd, V. Cleres. Orchids, highly recommended, Alex. Lothman. Cleo dendron, certificate of culture, C. W. Knight. Collection of vegetables, H. F. Meyer, gardener to J. L. Delamar. Lettuce, 1st, V. Cleres; 2nd, H. F. Meyer. Tomatoes, 1st, cultural certificate, H. F. Meyer; 2nd, A. Lothman.

At the close of the exhibition the society met and discussed some important matters. They have decided to make Pembroke Hall their headquarters, holding meetings as usual the second Wednesday of each month.

JAS. KESSON, Rec. Sec.

## NORTH SHORE HORTICULTURAL SOCIETY.

The annual rose and strawberry show of the North Shore Horticultural Society was held at Manchester, Mass., on June 21 and 22 under a large canvas tent pitched on the grounds of the Essex County Club. The entries were almost entirely from the garden, for the summer colony and a most beautiful display of roses, sweet peas and other flowers was shown and an unusual large number of special prizes were awarded. The Highland cup offered by Mrs. W. B. Waller for best collection of delphiniums was won by William Swan, who also took second prize for best group of plants arranged for effect. The first prize, a silver loving cup being taken by Mrs. Foster Ireland. These two groups were the most conspicuous exhibits of the show. A silver cup to Mrs. Jas. McMillan for H. T. roses and gold medals to Mrs. M. Miller and Mrs. G. E. Chabrey for roses and gold for best fruit were among the most notable awards.

## NEWPORT HORTICULTURAL SOCIETY.

The June exhibition of the Newport Horticultural Society opened auspiciously in Masonic Hall, June 23, showing a wide variety and an excellency of quality which has seldom been outdone by any of its predecessors.

It was principally an exhibition of roses and it is declared that seldom, if ever, has this flower been seen here in a higher state of perfection. There were also collections of herbaceous flowers, tuberous begonias including the frilled varieties, specimen ferns and other foliage plants from the many private conservatories of Newport.

Mrs. Robt. Goelet, gardener Colin Robertson; Mrs. T. O. Richardson, gardener James Robertson; Wm. Astor, gardener James Boyd; H. D. Auchincloss, gardener John Mahan; Miss F. Foster, gardener M. Biegholdt; W. W. Astor, gardener Hugh Williamson; Miss S. B. Fay, gardener M. H. Walsh; Prof. W. B. Greene, Jr., gardener Samuel Speers, were some of the names on the prize winning cards. Special awards were made as follows: Silver medal to Paul Volquardson for crested tuberous begonias; bronze medals to W. G. Postings for sweet pea, Sutton's Queen, and E. G. Hill Company, for rose Rhea Reid. Certificates of merit to Mrs. T. O. Richardson for single dahlias, Bruce Butterton for rose Princess Marie Salm, Paul Volquardson for superior culture of gloxinias, Mrs. Jos. Harriman for campanulas, Mrs. E. C. Post for campanulas, Miss Alice Keteltas for herbaceous flowers, etc. The judges were P. Volquardson, Bruce Butterton and J. Baumgarten.

## TARRYTOWN HORTICULTURAL SOCIETY.

The monthly meeting of this Society was held on Friday evening, June 26, with Pres. Angus in the chair.

Mrs. F. A. Constable, Mamaroneck, N. Y., was elected life member, Mrs. K. E. Driscoll Tarrytown, N. Y., honorary member, also Frank Shaw, Elmsford, N. Y., active member, and five new nominations were received.

A very fine collection of shrub and hardy perennial flowers, all labeled, were staged by Frank L. Milne, gardener to Mr. E. K. Weatherbee; they were awarded the prize offered for the evening, also a certificate of merit.

The annual outing was on the program, and the committee of last year, Messrs. J. W. Smith, Wm. Scott and L. A. Martin, were reappointed to arrange everything. They have selected Edwards' Beach Hotel, Rye Beach, N. Y., for August 4, 1908. A very fine time is anticipated, as there will be a selection of games and suitable prizes for minors. Tickets, \$1.50, can be had from Secretary Neulrand or any member of the committee.

L. A. MARTIN, Cor. Sec.

P. Hamilton Goodsell, formerly with F. W. Kelsey, has opened offices at 200 Broadway, New York, for furnishing high grade nursery stock.

## CLUB AND SOCIETY NOTES.

Arthur Cowee, Berlin, N. Y., will speak on the Gladiolus at the July meeting of the Florists' Club of Philadelphia.

At the annual field meeting of the New Hampshire Horticultural Society at Goffstown on June 25, Prof. E. D. Sanderson of the State Agricultural College was elected secretary to succeed H. F. Hall. Dr. H. W. Collingwood delivered a practical address on "Raising Fruit on Rough Land."

At the rose and strawberry show of the Worcester County Horticultural Society, Worcester, Mass., on June 25, Addison Bemis showed some handsome roses; E. W. Breed and Mrs. E. A. Underwood had fine collections of sweet william and W. A. Baisley of Uxbridge exhibited foxglove and sweet william.

At the last meeting of the Retail Florists' Association, at Brooklyn, N. Y., thirty-five new members were added, which brings the membership up to over one hundred. The first reading of the constitution and by-laws was had and they were partly approved. The next meeting will be held at the Imperial rooms on July 13.

## GREENHOUSES BUILDING OR CONTEMPLATED.

Mystic, Conn.—J. H. Schaffer, house 21x50.

Waynesboro, Va.—H. R. Happle, one house.

Cincinnati, O.—J. A. Peterson, additions.

Urbana, Ill.—T. Franks, range of houses.

Montclair, N. J.—F. W. Massman, additions.

Hastings, Nebr.—C. W. Sidles, range of houses.

Columbus, O.—Livingston Seed Co., house 50x200.

Providence, R. I.—E. J. Johnston, house 30x125.

Watertown, Mass.—J. W. Stone, house 47x450.

Cedar Falls, Ia.—Jos. Bancroft & Son, one house.

Moorhead, Minn.—Miller & Briggs, range of houses.

Sunnydale, Calif.—N. Krassman, range of houses.

Sterling, Ill.—Sterling Floral Co., range of houses.

Ames, Ia.—F. J. Olson, two vegetable houses, each 25x100.

New Orleans, La. Fr. Gruaz, two houses, each 20x100.

Cleveland, O.—F. R. Williams Co., eight houses, each 25x300.

Baldwins, N. Y.—David A. Dean, three houses, each 22x125.

Port Huron, Mich.—C. W. Asman, chrysanthemum house, 16x100.

Brookfield, Mo.—Miss Gertrude Jones, two houses, 15x50, 20x100.

William Taylor of Cumberland, R. I., while assisting the Chief of Police in the arrest of a reckless Greek, was shot and probably fatally wounded.



# LILIUM HARRISII

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock.

We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July.

6-7 in. bulbs, 350 to the case, \$6.00 per 100, \$50.00 per 1000 }  
 7-9 in. bulbs, 200 to the case, 9.00 per 100, 80.00 per 1000 } Full Case Lots at Thousand Rates  
 9-11 in. bulbs, 100 to the case, 18.00 per 100, 170.00 per 1000 }

**FREESIA REFRACTA ALBA** Bermuda-grown, finest selected bulbs, ½-in. up, \$1 per 100, \$7.50 per 1000.  
 French-grown, Mammoth size, ¾-in. up, \$1.50 per 100, \$12 per 1000.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## ORCHIDS

We beg to announce the following fresh arrivals of Orchids all in finest condition.

**CATTLEYA DOWIANA.** Of this fine, rare and beautiful orchid we have a splendid shipment to hand.

**CATTLEYA LABIATA.** This is the third and last lot this season.

**CATTLEYA TRIANE.** The second lot to arrive in perfect condition. A third lot to arrive shortly; the greater part of these must be sold as we cannot spare the room. Order a sample case, and you will be surprised.

**CATTLEYA GASKELLIANA** and **CATTLEYA MOSSIE** in fine shape. Also **DENDROBIUM FORMOSUM**, **VANDA COERULEA**, **ONCIDIUM SPLENDIDUM** and **LAELIA DIGBYANA**.

Write us for prices and we can assure you that you will be well pleased both as to quality of plants and price of same.

We also have a full line of supplies such as peat, live sphagnum and orchid baskets in all sizes.

**LAGER & HURRELL, Summit, N. J.**

## FERN SEEDLINGS

Eight of the best varieties in fine condition now ready. \$1.00 per 100; \$8.50 per 1000. If by mail add 10 cents for postage.

**Assorted Ferns for Jardinieres**, bushy plants. \$3.00 per 100; \$25.00 per 1000; 100 at 1000 rate

**Adiantum Cuneatum**, 2½ in., \$3.00 per 100; \$25.00 per 1000.

**Asparagus Plumosus Nanus**, 2¼ in., \$3.00 per 100; \$25.00 per 1000

**Frank N. Eskesen**  
 Madison, N. J.

## Smilax

Good, strong plants, 2½ in. pots, \$1.75 per 100 \$15.00 per 1000. Cash with order.

**A. V. D. SNYDER, Ridgwood, N. J.**

## GERANIUMS

Strong, stocky plants in bud and bloom: scarlet; crimson; white and pink. 4 in. pots, \$6 per 100

**S. J. RUETER & SON, Inc., WESTERLY, R. I.**

## HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

**ROMAN HYACINTHS** and the true **PAPER WHITE GRANDIFLORA**

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
 Rep. by **FELIX BOSCH**, 260 Clarendon St., Boston.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**

Successors to L. K. Peacock, Inc.  
**ATCO, N. J.**

Prices Quoted in these Columns are for Dealers Only.  
 When Writing to Advertisers Please Mention  
**HORTICULTURE.**

## ORCHIDS

Arrived in Grand Condition

**CATTLEYA AMETHYSTOGLOSSA** true  
**CATT. BOWRINGIANA**  
**LAELIA GRANDIS TENEBROSA**  
**ONCIDIUM SARCODES**

Write for Prices

To arrive shortly

**Laelia purpurata**, **Laelia Boothiana** (lobata), **Oncidium varicosum** Rogersii.

**JOSEPH A. MANDA**

191 Valley Road WEST ORANGE, N. J.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England**  
 and 285 Broadway, Room 1  
**NEW YORK CITY**

## IMPORTED ORCHIDS

Arrived in Superb Condition

**Vanda coerulea**, **Cattleya Trianae**, **Cattleya gigas Sanderiana**, **Cattleya Schroderae**, **Oncidium varicosum**.

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

Arrived in fine condition, **C. Mossiae**, **C. Percivaliana**, **C. Trianae**, **C. labiata**, **C. gigas Sanderiana**, **C. Harris-oniae**, **C. Schroderae**, **C. citrina** Pen. **Formosum** giganteum, **D. Wardianum**, **D. Findleyanum**, **Oncidium Varicosum** Rogersii, **O. Tigrinum**, **O. Ornithorhynchum**, **Laelia anceps**. To arrive shortly, **Vanda Coerulea**, **Cattleya Gaskelliana**, **C. Mendellii**, **Phalaenopsis Amabilis**, **P. Schilleriana**.

**CARRILLO & BALDWIN, Secaucus, N. J.**

## ORCHIDS

Arrive in good condition **Cattleya Mossiae**, **C. Gaskelliana**, **C. Speciosissima**. In a few days, **C. gigas Sanderiana** and others.

**ORDONEZ BROS., Madison, N. J.**

# ENGRAVINGS to ILLUSTRATE your CATALOGUES and ADVERTISEMENTS

in ONE or MORE COLORS

The Plates We Furnish are for Use on a Type Press

We would call your special attention to our MULTI-COLOR PLATES which are produced direct from the copy which is in one color. Send stamp for circular "How to print our Multi-Color Plates."

## CATCHEL & MANNING

Established  
1889

DESIGNERS

ILLUSTRATORS

ENGRAVERS

for all commercial purposes.

Nos. 27 to 41  
S. 6th Street,

PHILADELPHIA

### DURING RECESS.

A ball game between the Niessen and Burton employes will be one of the exciting events of the national holiday, July 4th. It will take place at Alfred Burton's, Chestnut Hill, Pa.

On Sunday, June 28, A. Mayer, Chicago, entertained about thirty of A. L. Randall & Co.'s employes, members of the firm included. Mr. Mayer furnished refreshments and a good time was enjoyed by all.

The New York and New Jersey Plant Growers' Association's picnic at Staten Island on June 25 was attended by about sixty of the leading growers and they had a glorious time. Meals were served at the Huguenot Hotel and there was bowling for both ladies and gentlemen, an auto ride to the beach and other diversions. F. L. Atkins officiated as toastmaster and there were interesting speeches by nearly all present. The fun lasted until 9 P. M.

The suspense is over at last and among the dozen or more ambitious bowlers who entered the contests to win the coveted five free transportations to the Niagara Falls Convention offered by President Traendly, Jos. S. Fenrich is the only one who succeeded in qualifying with the stipulated average score of 155 or more in the series of practice games. Mr. Fenrich's figure is 160 and next to him comes Jos. A. Manda with 154 and 17-18ths, just one eighteenth of a point shy.

### NEW YORK FLORIST CLUB OUTING.

This pleasant annual event came off on Wednesday, July 1, at Witzel's Point View Grove, Long Island, and was the largest and best affair of its kind in the history of the club. The weather was perfect, the program was carried out in full, and the day

hundred members and their ladies and children enjoyed themselves to the fullest extent without a single untoward incident. The base ball game between the married and single men was won by the latter with a score of five to one. Louis Schmutz, Jr., was winner of the first baby prize, and Mrs. Dupuy won first in the ladies' bowling games. In the race for girls' and boys' classes graduated according to ages, the winners of first prizes were Jeannette Marshall, Joe Sullivan, Gertrude Schneimel, Jos. Walter, Kate Meisem, Donald Marshall, Ethel Adams, Robt. Barnett, Louise Millang, Phil. Walter, Freda Schenck, Ed. Manda, Annie Birnie, George Krekeler, Lula Whitman. Mrs. Hornecker won the married ladies' race, Mr. Phillips the married men's race, Jos. A. Manda the 150-yard race, Frank H. Traendly the fat men's race. There were seconds and thirds and "also rans" in all of these contests, but time and space do not permit a more extended list. The men's bowling contest was not completed. High score in five frames was Fred W. Lentz with 106.

### PICNICS IN PROSPECT.

Florists' Club, Columbus, O., July 15, at Buckeye Lake.

Florists' Club, St. Louis, Mo., July 15, at Normandie Grove.

Florists' Club, Chicago, July 19, at Morton Grove, Ill.

### HAVOC OF WIND AND HAIL.

Charles Benson, Denver, Colo., 2,000 lights of glass.

The Dayton Floral Co., Dayton, O., suffered considerable loss in a recent storm.

The Park Floral Co., Denver, Colo., 22,000 square feet of glass and 16,000 carnation plants; value, \$6,000.

The greenhouses of the Lamborn Floral Co., Alliance, O., were badly damaged by a storm on June 19.

### HORTICULTURAL ILLUSTRATIONS.

Philadelphia has long been famous for the high quality of her horticultural printing. Twenty-five years ago, when the Burpee-Maule-Dreer catalogues struck a new stride in the American seed trade, the men who made the wood cuts and later the half tones, also became world renowned; in fact, wherever an up-to-date seedsman was located in any part of the world he looked to Philadelphia for good cuts to embellish his catalogue.

Among the earliest pioneers in half-tone work in Philadelphia the firm of Gatchell & Manning has been and is at present the leader not only in half-tone, etching, line-work, wash-drawing, etc., but also in original designing and color processes. In the latter connection they have just issued a little folder "How to Do It," showing the latest improved method of multi-color plate making from an original photograph. From these plates any printer can produce excellent color work, almost equal to lithographed, on an ordinary printing press. Every florist, nurseryman or seedsman, whether he issues a catalogue or not, can use this new process to elegant advantage and can acquaint themselves with same by dropping a postal to this company.

You will find something worth reading on every page of HORTICULTURE.

**DREER'S**  
Florist Specialties.  
KEYSTONE CEDAR  
PLANT TUBS.



	1 diam.	1 1/2	2	2 1/2	3
A	11	11	11	11	11
B	12	12	12	12	12
C	14	14	14	14	14
D	16	16	16	16	16
E	18	18	18	18	18
F	20	20	20	20	20

Three largest sizes have handles.

Special PAINT TUBS.

8 inches 3 25 28.00

11 " 5 25 28.00

Painted Green.

HENRY A. DREER,

714 Chestnut Street,

PHILADELPHIA, PA.

## ANGLO-AMERICAN MUSHROOM SPAWN.

"Made Direct from Spores"

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

**ANGLO-AMERICAN SPAWN COMPANY**  
Kennett Square, Pa.



## Seed Trade

### AMERICAN SEED TRADE ASSOCIATION.

Address of President George S. Green, at the Annual Meeting, Milwaukee, Wis.

#### President's Address.

We meet at the end of a business year of unusual stress and uncertainty, during which the country has had a serious set-back to the prosperity of the past few years. Such a year always brings new problems to be met and new difficulties to be surmounted. These problems and difficulties test the temper of the man and, when conquered, usually leave him with a new store of experience and knowledge with which to meet future tasks.

#### Satisfactory Trade Conditions.

We are all still doing business, no financial disaster among our membership having come to my knowledge. This is evidence of the permanent character of our trade and of the average ability and prudence of our members. I congratulate you upon this showing and I hope the coming year may prove less trying. I trust the efforts which have been made to improve the currency and banking system of our country may insure more stable conditions, so that the business man may suffer only for his own blunders and not for those of others. Tight money last fall undoubtedly hampered the operations of our trade and if the recent currency legislation shall prove effective in preventing such conditions in future, we shall have at least that much for which to thank our national lawmakers. Notwithstanding the unsettled financial conditions, the past year has been reasonably satisfactory to most houses in the trade. The total volume of business has been large and prices have ruled unusually high on many staple articles in the seed line. The demand for high grade goods continues to increase and there has never been a time when a well-earned reputation for furnishing seeds of first-class quality was more valuable than it is today.

#### The Tariff Question.

As there has been no revision of the tariff during the past year, there has been no necessity for special action on the part of the Committee on Tariff and Customs, but since the question of tariff revision seems likely to have attention in Congress in the near future, it is essential that our committee be ready to furnish information to the Congressional Committee which will have this matter in charge. After my experience this spring as to the difficulty of doing such work during the rush of the seed season, I am impressed with the importance of having this subject studied during the next six months by a competent committee which should make a definite report to the next Executive Committee meeting so that the wishes of the seed trade may be properly presented in the most effective manner at the proper time. In this connection, I wish to indorse the suggestion of my predecessor, Mr. Wood, as to the desirability of specific duties, in preference to ad valorem duties.

#### Irrigation Work.

The progress of irrigation projects and the reclamation of swamp lands are matters of vital interest to this association. The United States Government is building several large dams for the impounding of flood waters which will be used for the irrigation of hundreds of thousands of acres of desert land. More work in this line has been done during the past year than in any former year in the history of our country. Reclamation of swamp lands is also making progress and the total increase in arable land from those two sources will be very considerable during the next few years. I recommend that this Association continue its policy of sending a delegate to the National Irrigation Congress and that we do all in our power in furtherance of such work.

#### Grass and Field Seeds Still Sold by Measure.

I regret that after more or less con-

tinuous effort for many years on the part of this association through a Standing Committee on Weights and Measures, it seems impossible to secure uniformity in all the leading markets of the country as to the sale of grass and field seeds by the hundred weight. The bushel still holds its place on many price lists. I recommend that the Committee on Weights and Measures be discontinued, but if any member can suggest a plan by which the use of the central system can be made universal among dealers, it would be well to try it. Successive chairmen of the Committee on Weights and Measures have labored in vain for years and I see no prospect for success, unless we can devise new arguments which will be more effective than those thus far employed. All markets using the central system are well pleased with it, but this seems to have no effect upon dealers in markets where the bushel system still prevails.

During the past year death has claimed two of our members. Mr. Everett R. Clark, of Milford, Conn., who was chosen president of our organization at its sixteenth annual meeting, and Mr. Alfred Plant, of St. Louis, Mo., one of the pioneer seedsmen of the West. Within the past year has also occurred the death of Mr. D. M. Ferry, whose firm, while not members of our Association, has for many years occupied a most prominent position in the seed trade.

#### The Mann Pure Seed Bill.

The most important development of the year in the seed trade was the introduction into the House of Representatives of H. R. 13835, known as the Mann Pure Seed Bill. This bill, while doubtless intended to protect this country against the importation of objectionable weeds, and to prevent fraud and misrepresentation, was so worded as to have caused serious harm to legitimate business. It was introduced into the house Jan. 15th, 1908, by Hon. James R. Mann and referred to the Committee on Interstate and Foreign Commerce. Hearings were had on Feb. 4th and 6th, at which representatives of the United States Department of Agriculture were the only witnesses. So far as I am aware, no special effort was made at Washington to notify seed dealers of the introduction of this bill, but Mr. Mann states in one of his letters to me that announcements of the hearings were made public through the usual channels.

My first knowledge of the bill came through Mr. Chas. N. Page of the Iowa Seed Co., about March 4th. I wrote to Mr. Mann requesting him to mail me a copy of the bill and also to send copies to members of our Committee on Seed Legislation. He wrote me under date of March 9th asking if we wished a hearing upon the bill, or desired to suggest modifications in it, but before I could confer with the Committee on Seed Legislation or plan any united action in the matter, I learned through Mr. Bolgiano that the bill would be reported to the House without delay. I wired a protest to Mr. Mann and also to Mr. Hepburn, the chairman of the committee, and also arranged for other telegrams of protest. Notwithstanding this, the bill was reported to the House on March 20th in pursuance of favorable action by the committee which Mr. Mann informed me, was taken about a month prior to that date. When this fact was known, an informal meeting of ten or twelve seedsmen was hastily arranged at Chicago. The Mann Bill was discussed and it was agreed that the most necessary thing to be done was to get a rehearing before the Committee on Interstate and Foreign Commerce. After much discussion as to who should undertake the task of going to Washington to secure a rehearing, Mr. Charles Dickinson agreed to go. He was successful in his mission and a rehearing was set for April 21st.

#### Meeting and Appointment of Special Committee.

I then wrote a letter to the trade asking a representative meeting of seedsmen at Chicago on April 10th. About twenty-five firms were represented at this meeting and many other firms have shown an active interest in the matter, including a number of firms not members of the Association. At the meeting of April 14th, the Mann Bill was thoroughly discussed in an all day session lasting until late in the evening. Desirable changes in the bill were suggested, resolutions were adopted, and a committee authorized to represent the seed trade at the hearing April 21st.

Later, the following committee was appointed as follows: J. C. Aschbacher, Chas. N. Page, Chas. Dickinson, Walter P. Stokes, James R. Kirk. I also served on this committee as chairman. This committee had an informal conference with Mr. Mann on April 20th, at which Dr. A. E. Woods, Mr. Edgar Brown and Professor W. W. Tracy, Sr., of the Department of Agriculture, were present. At this meeting Mr. Mann expressed his willingness to make changes in the bill to meet the requirements of the seed trade, provided the changes would not permit the continuance of the abuses at which the bill was aimed. Many of the changes which we desired were apparently acceptable to Mr. Mann, others were not, but we left him feeling reasonably sure that the bill would probably not be pressed for passage in its original form. I believe that the work done by the committee that day will go far toward modifying the character of any bill which Mr. Mann may hereafter urge for passage.

#### Public Hearing at Washington.

The public hearing before the Committee on Interstate and Foreign Commerce was held the following day, April 21st. Our arguments were presented quite fully and a revised copy of the bill placed in the record embodying all the suggestions for changes which had been presented to Mr. Mann the previous day. In addition to the members of the committee, the following gentlemen presented arguments: Alexander Forbes, of Peter Henderson & Co.; Curtis Nye Smith, of Jos. Brock & Sons' Corp.; S. F. Willard, of Comstock, Ferre & Co.; E. V. Hallock, of Queens, N. Y. Among other seedsmen in attendance at the hearing were: Mr. F. W. Bolgiano, Washington, D. C.; Mr. C. E. Dungan, of Wm. Henry Maule, Philadelphia, Pa.; Mr. Harry L. Holmes, Harrisburg, Pa. At the close of the hearing, we were assured that no further action would be taken upon the bill at that session of Congress and that our arguments, together with letters received by Mr. Mann, would be made a part of the records of the committee. In this connection, I wish to acknowledge the courtesy and fairness which were shown us at Washington. Our arguments were heard with patience, ample time was given us and I could see no evidence in any quarter of an intention to injure the seedsmen as a class. The full account of the proceedings at the public hearing has been printed as a public document and at my request copies were mailed to all members of our association.

#### What the Revised Bill Embodies.

It should be fully understood that the revised bill printed as a part of my statement on pages 34, 35 and 36, simply embodies the changes in the original bill suggested by our committee to Mr. Mann and that none of these suggestions have been formally accepted by the Committee on Interstate and Foreign Commerce. It should also be understood that the original bill is still on the calendar of the House of Representatives on the original report of the committee and might be called up for action at the next session of Congress without any modifications whatever. I believe, however, that Mr. Mann will probably ask to have it again referred to the committee and that important changes will be made in it before it is again submitted to the House.

#### The Question of National Legislation.

This brings to us the necessity of being ready to meet in a practical and efficient manner the question of national legislation regulating the importation of and interstate commerce in seeds. Opinion among our members is doubtless divided as to the possibility of framing wise legislation on this subject, but I regard it as highly important that we show in some manner our interest in this subject and our earnest desire to maintain a high standard of business integrity in our trade. I agree that if we fail to do this, the attitude of Congress will be such that we shall lose an opportunity to assist in shaping a law which will be helpful rather than harmful to ourselves and which may prove highly beneficial to the national interests of our country. I believe, furthermore, that if we do not do this, we will not be able to oppose effectively any of our business interests which may be brought before Congress in the near future. I believe that the day when the interstate seed law comes before Congress, we would probably find that the bill was such an extent that it would prohibit the importation of seeds which would be to the serious injury of our trade.

crippled, whereas a well worded, just and effective national law would doubtless serve as a model for state laws which could easily be framed to conform to its conditions and thus restrict inter-state business but slightly. I feel confident that national legislation to prevent the importation of seeds used solely as adulterants and of low grade seed containing large percentages of weed seeds and to correct other abuses in the trade is inevitable. It is in line with the great projects for the betterment of trade conditions and for the conservation of natural resources to which the present administration at Washington has practically committed the American people. If we try to stop this flood of public opinion with our little dam, we shall only find the water flowing over the top of it and the whole works will go out with much damage to ourselves and to others, but if we work harmoniously with the people at Washington for the improvement of American agriculture, adding our practical business experience to their technical and legal knowledge and thus secure a just and helpful law which will really tend toward the planting of better seeds, we shall have the consciousness of having worked for progress rather than against it.

#### The Need of Proper Restraint.

There is a feeling on the part of some of our members that we are being discriminated against unfairly in the attempt to pass any law. When we consider the many abuses connected with some other lines of business which the law has never attempted to reach and the high average standard of morality and business uprightness among seedsmen, this view is perhaps a natural one, but I cannot altogether sympathize with it. The fact that the purchaser of seeds has frequently no means of knowing the real character of the goods he is buying is a temptation to the unscrupulous and the dishonest. It permits the growth of mushroom competition which is an injury to the honest seedsmen as well as to the buyer of the unreliable goods. We should welcome the opportunity to place our business on a higher plane, to eliminate dishonest competition and to help to save the soil of our country from the invasion of foreign weeds. We should have enough patriotism to give our hearty support to any measure which is really for the general welfare and which does not work an injustice to individuals. I am of the opinion that our business can soon be adjusted to a moderate and well considered law, which does not require us to do what is manifestly impracticable, but which will prevent the importation of seeds unfit for seeding purposes and will also provide for the punishment of deliberate and intentional adulteration of seeds.

#### Where the Mann Bill is Objectionable.

The natural conditions attending the production of seeds the tendency of plants to depart from fixed types the production of sports cross fertilization of seeds the possibility of erroneous information from growers should all be carefully considered in making a law holding dealers responsible. The broad principle of equity that a man should be held to account only for his own intentional misdeeds should be made part of any such law. I have opposed the original Mann Pure Seed Bill for the following principal reasons:

First. It provides heavy fines and prison penalty for offenses that may not in practice, undoubtedly would occur, through errors or omissions of employees in the properly marking and packing or handling seeds, thus making innocent men criminals in the eyes of the law. This is repugnant to the American spirit of fairness.

Second. The law does not fairly provide for the exemption from its provisions of seeds which in transit or held in storage for the purpose of being sown or given, or while in process of cleaning or grading or holding in storage after cleaning or grading, before being offered for seeding purposes. Such exemption is absolutely necessary to avoid complete disorganization of existing methods of distribution and handling of seeds.

Third. The third provision of Section 3 regarding the importation of seeds, restricting seed stores would absolutely prohibit the importation of any imported varieties of vegetable seeds, the best of which are supplied by certain foreign countries, over 25 per cent of seed seeds, which cannot be obtained by any known process of cleaning, thus making it impossible to grow other than the nearly 75 per cent of which constitute the majority of

## "STOKES STANDARD" PANSY SEED

**Stokes' Standard Mixed Pansy** is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance. Trade pkt. (2000 seeds) 50c; 1/8 oz. 85c; 1/2 oz. \$3.25; 1 oz. \$6.00; 1/4 lb. \$20.00.

**Kingly Collection of Giant Pansies Mixed.** A most excellent strain, the same as has been sold for years by the late firm of Johnson and Stokes and has given great satisfaction. Price, 1/2 trade pkt. 30c; trade pkt. (2000 seeds) 50c; 5000 seeds \$1.00; per oz. \$5.00; per 1/4 lb. \$14.00.

#### Send for Special Pansy Circular

FRENCH and DUTCH BULBS in season—GET PRICES

**STOKES' SEED STORE, 219 Market St., Philadelphia, Pa.**

less dead seeds, the percentage varying with crop and harvest conditions where the seeds are grown.

Fourth. The fourth provision of Section 3 would practically prohibit the bulking of various qualities of seeds, for the purpose of making uniform grades, because many merchantable and valuable parcels of seeds contain considerable percentages of dead seed and weed seed, and no dealer would feel safe under this section, as now worded, in bulking together a number of parcels of natural seeds, since the addition of a single bag of comparatively low vitality or containing a comparatively large percentage of weed seeds might be construed to be adulteration, even though in the process of cleaning the average quality of the entire bulking of seed had been greatly improved. This paragraph should certainly provide a penalty only for deliberate adulteration with intent to defraud the buyer.

Fifth. The bill undertakes to prohibit the export of certain grades of seed for which there is a demand abroad and it is against public policy to restrict such export. Such a restriction would tend to cause the exporter to select only the highest qualities for export and thus retain the lower grades for domestic use.

Sixth. The natural and inherent conditions attending the production and distribution of grass, clover and field seeds are so totally different from those attending the production and distribution of vegetable and flower seeds and bulbs, that I believe that these two classes of trade should be separately provided for in any well-considered legislation, either by means of separate laws or separate paragraphs.

It seems to me that it should be possible to eliminate the objections to this bill and yet preserve its evident intent to benefit American agriculture.

#### Recommendations.

It is urgently important that the subject of seed legislation receive the best attention which it is in our power to give it and in this connection, I strongly recommend that the two standing committees on Seed Legislation and on Seed Adulteration be consolidated into one committee. This will avoid any question of divided authority or responsibility. I trust a strong committee will be appointed and I think that this committee should be authorized to secure legal advice at any time when they may deem it necessary, and that arrangements should be made, so that they could draw upon some fund which would provide for all necessary expenses in connection with their work. I also recommend that an earnest effort be made to secure a joint conference of this committee with representatives of the Committee on Interstate and Foreign Commerce and experts from the Department of Agriculture for the purpose of working out a fair and just law. In expressing a willingness to work toward the making of a law for the regulation of our business, it must be understood that we unhesitatingly assert that our trade now shows without such regulation a high average standard of integrity. Each year the average standard of quality demanded by the buyer of seeds and supplied by dealers tends toward improvement, regardless of any law. This improvement results partially from an awakened intelligence on the part of buyers, but very largely also from the constant efforts of dealers to improve the quality of the goods

they offer for sale. This tendency will persist and may safely be depended upon to gradually correct all but the grosser forms of fraud and misrepresentation.

#### Honor and Integrity Superior to Law.

Perfection will not come because of the passage of any law, but only as the gradual and natural development of human character and human needs. Criminal law is made primarily "to hold the wretch in order", and so far as possible it should be confined to its legitimate province. It is but a crude instrument at best to replace the honor and integrity among men which make modern business possible. Hence, we think that an untried law covering a new field should only be aimed at flagrant, wilful and deliberate wrongdoing and should not contain provisions tending to hamper and disorganize a highly useful and necessary business.

In conclusion, I wish to express my sincere appreciation of the able assistance which has been given me during the past year by many of the members of this Association. I am grateful for the active interest which has been shown by the Executive Committee and for the efficient team work of the committee and other seedsmen who attended the hearing at Washington. Differences of opinion have naturally arisen, but they have been adjusted on the broad basis of consideration for the general welfare of the organization. With such a spirit, we may look forward with confidence to the future usefulness of our Association, not only as a means of furthering our individual interests, but of promoting the general welfare of American agriculture.

#### President-elect W. S. Woodruff.

Watson S. Woodruff, the newly-elected president of the American Seed Trade Association, was born at Orange, Conn., April 8, 1869. His father, Stiles D. Woodruff, was one of the pioneer seed growers of Connecticut, starting in the seed growing business on his return from the Civil War in 1865. He was graduated from the New Haven High School in 1889, shortly after which he went actively into the seed business, associating himself with his father, Stiles

## VEGETABLE PLANTS

**CABBAGE** Wakefield, Early Flat Dutch, Early Allhead, Early Drumhead and other early varieties. Surehead, Late Flat Dutch, and other late varieties at 20c per 100, \$1.00 per 1,000, \$8.50 per 10,000.

**TOMATO** Stone, Favorite, Paragon, etc., at 20c per 100, \$1.00 per 1,000, \$8.50 per 10,000. Dwarf Stone and Champion, June Pink and Early Jewell at 40c per 100, \$2.00 per 1,000.

**CELERY** White Plume, Giant Pascal, Gol. Heart and other varieties, 20c per 100, \$1.00 per 1,000, \$8.50 per 10,000.

**BEEF** Eclipse, Crosby and Egyptian, 25c per 100, \$1.25 per 1,000. Cash with order.

**R. VINCENT JR. & SONS CO.** WHITE MARSH, MD.

D. Woodruff, and his brother, Frank C. Woodruff, under the firm title of S. D. Woodruff & Sons. He married January 4th, 1892, Harriet Hotchkiss, and to them have been born five children, three girls and two boys, all of whom are living. Stiles D. Woodruff died in April, 1906. The present firm of S. D. Woodruff & Sons is made up of Frank C. Woodruff and Watson S. Woodruff. The firm makes a specialty of market gardeners' seeds and does a large growing and wholesale business as well. The firm operates at Orange, Conn., and 82 Dey street, New York City, with a branch also at Queens, L. I.

#### SEED TRADE NOTES.

W. Atlee Burpee, who has been abroad several weeks, is expected to sail for home July 3rd.

Howard M. Earl, of Burpee's, Philadelphia, returned June 29th from his seed inspection trip across the continent.

E. A. Brown, of W. Atlee Burpee & Co., Philadelphia, and Mr. Fell, of Wm. Fell & Co., sail for a trip to Europe July 4th.

Winterson Seed Co., of Wabash avenue, Chicago, report the close of a satisfactory season. They consider the outlook for peas and beans as not quite so good as usual.

Charged with the theft of 60 axes from Joseph Breck & Sons, Boston, F. J. Roalie was arrested and sentenced to one month's imprisonment at Deer Island. Roalie was elevator boy at the store. He is married and has a family.

The National Seed Co., of Chicago, express satisfaction over the result of the season's trade, considering it is an off year and their first in business. This company is favorably located on the way to the Northwestern and Union stations as well as on the elevated loop.

Large sized calla bulbs are very scarce this year.

## PANSY SEED

### Michell's Giant Exhibition

A Giant Strain which we have secured from the leading Pansy specialists in Germany, England and France.

This strain cannot be excelled.

Per Trade Pkt.	\$0.50
" 1-8 Oz.	.75
" Oz.	5.00

**MICHELL** 1018 MARKET ST. PHILA., PA.

## STERILIZED

Sheep Manure to help out backward vegetation, 100 lbs. \$1.50.

WM. ELLIOTT & SONS  
42 Vesey Street, - New York

## SWEET PEAS

### For THANKSGIVING and CHRISTMAS

	Oz.	¼ lb.	½ lb.	Lb.
BODDINGTON'S CHRISTMAS WHITE.....	10c	40c	60c	\$1.00
" PINK.....	10c	40c	60c	1.00
" SNOWBIRD, the earliest forcing white ...	20c	75c	1.25	2.00
FLORENCE DENZER, (pure white).....	10c	40c	60c	1.00
WATCHUNG, (pure white).....	20c	75c	1.25	2.00

Also other varieties as advertised prices. All the above mailed free.

PANSY—BODDINGTON'S "CHALLENGE." This mixture contains all the finest giant strains of the leading Pansy Specialists in the world—the Giant self colors, the Giant stripe and margined, and the Giant blotched—all carefully mixed in proportion. Tr. pkt. 75 ¢ ¼ oz. \$1.50. ½ oz. \$2.75. 1 lb. \$5.00.

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, - NEW YORK CITY

### ASTER GROWERS ATTENTION:—

Our Seed is All Sold. If you failed to get some it is your loss. However:— Get a Competition Card Now, Enter your name as an Aster Grower of America and win part of our \$250.00 offered in prizes. Entry free. All information gladly given. No cost to you except to prepay the express charges on flowers sent in competition.

**Altimo Culture Co., Canfield, Ohio.**

*Thorburn's  
Seeds*

### THORBURN'S BULBS

LILIAM HARRISH,	5-7 in.	100	1000
	7-9 "	\$4.50	\$40.00
		8.50	80.00

Sent for advance prices on Holland Bulbs, Japan Lilies and Roman Hyacinths.

ASPARAGUS PLUMOSUS ROBUSTUS,  
\$2.00 per 1000 seeds.

Pansy, Carnation, Daisy and all other seeds for florists.  
Cold Storage Lily of the Valley Pips

**J. M. THORBURN & CO.**  
33 Barclay St., through to 38 Park Place  
NEW YORK

### Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent upon request. Catalogues now ready.

### VICK'S SUPERB PANSY SEED

All the best varieties in separate colors

#### VICK'S SUPERB MIXTURE

the best strain from all the leading named sorts

1-8 oz. 75c.	1-4 oz. \$1.50	Ounce \$5.00
--------------	----------------	--------------

**JAMES VICK'S SONS, Rochester, N. Y.**

## PANSIES

Fresh Seed Just Arrive

We can supply all the leading strains. Our Florist List Mailed Free.

**H. E. FISKE SEED CO.**

12 Faneuil Hall Sq., BOSTON, MASS.

**Cauliflower's  
CABBAGE**

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

### SOW NOW MY STRAIN OF

Hardy Garden Carnations as: Per Tr.

Oz.	Pkt.
Special Mixture of extra double flowers....	\$2.50 .30
Dwarf Scarlet Grenadin.....	2.00 .30
Early Dwarf Vienna, finest mix.....	1.00 .20
New Early White Vienna, fine for cut.....	1.50 .20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed.....	4.00 .50

**O. V. ZANGEN Seedsman Hoboken N. J.**

### JUST ARRIVED

LARGE SHIPMENT OF

### High-Grade SCOTCH SOOT.

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**

32 & 33 So. Market St., BOSTON

**BRIDGEMAN'S SEED WAREHOUSE**

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

### BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - - CALIFORNIA**

### BRECK'S SEEDS

For Farmer, Market Gardener and Florist

New Crop High Grade

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**

47-54 NO. MARKET ST., BOSTON, MASS.

Winter-flowering

## SWEET PEA SEED

All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANEK**

ORIGINATOR. BOUND BROOK, N. J.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M.C. and J.E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUBITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists.

Business conditions are  
DETROIT ever so much brighter  
than two weeks ago;  
everybody putting in long hours to fill  
the demand for seasonable occasions.  
Peonies are all gone and roses being  
very small, supremacy has been given  
sweet peas. Real pretty they are, too,  
whether in a casket cover or bridal  
outfit, although lily of the valley is the  
rule for bridal bouquets. A very pretty  
but rather large bridal bouquet was  
seen made of Shasta daisies showered  
with No. 2 white gauze. Another  
stunning bridal outfit was shipped up  
the state consisting of a bunch of  
valley showered with baby ribbon and

### STEAMER DEPARTURES

Allan.

Tunisian, Montreal-Liv'p'l... July 10

American.

New York, N. Y.-S'hampton... July 11  
St. Louis, N. Y.-S'hampton... July 18

Atlantic Transport.

Minnetonka, N. Y.-London... July 11  
Mesaba, N. Y.-London... July 18

Cunard.

Lucania, N. Y.-Liverpool... July 8  
Caronia, N. Y.-Liverpool... July 11

Ivonia, Boston-Liverpool... July 14  
Lusitania, N. Y.-Liverpool... July 15

French Line.

La Touraine, N. Y.-Havre... July 9  
La Bretagne, N. Y.-Havre... July 16

Holland-American.

New Amsterdam, N. Y.-Rot't'm... July 8

Ryndam, N. Y.-Rotterdam... July 15

North German Lloyd.

Kronprinzessin, N. Y.-Br'm'n... July 7  
Kronprinz Wm., N. Y.-Br'm'n... July 14

K. Albert, N. Y.-Mediterranean... July 18

White Star.

Teutonic, N. Y.-S'hampton... July 8  
Baltic, N. Y.-Liverpool... July 9

Adriatic, N. Y.-Southampton... July 15  
Cedric, N. Y.-Liverpool... July 16

Cymric, Boston-Liverpool... July 18

Red Star.

Vaderland, N. Y.-Antwerp... July 11  
Zeeland, N. Y.-Antwerp... July 18

Hamburg-American.

Moltke, N. Y.-Hamburg... July 9

Leyland.

Devonian, Boston-Liverpool... July 11

seven bouquets of Asparagus plumosus  
showered with No. 2 dark and light  
green gauze. Among blankets for cas-  
kets we may mention one made of  
smilax dotted with seventy-five cattle-  
eyes and a large bow of ribbon.

### NEW RETAIL FLOWER STORES.

Jos. Maunder succeeds L. F. Ben-  
son at Covington, Ky.

Rogers & McKelvey, Meadville, Pa.,  
Market St. and Dock Alley.

Mr. and Mrs. Alfred Klingenberg  
opened up a flower store on July 1st,  
at 920 N. Halstead St., Chicago. Mrs.  
Klingenberg, who is practically the  
manager of the store, learned her trade  
in her native country, Germany, work-  
ing nine years for large florists. Mr.  
Klingenberg, though not a florist, will  
devote his time to the business.

Chicago.

Established in 1857



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or entrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

**WILSON**

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

**BOSTON**

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

**JACOB SCHULZ,** 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

# H. BAYERSDORFER & CO.

*Known to the Trade for the past 30 years as the*

## Representative Florists' Supply House of America

Always first in the market with anything that is new, novel and appropriate.

### WE HAVE PREPARED FOR YOUR NEEDS

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

#### PERSONAL.

Visitors in New York: D. Samuels, of the Ogden Floral Co., Ogden, Utah.

Visitors in Boston: J. B. Kidd, New York, N. Y.; J. S. Hay, Philadelphia, Pa.

G. W. Butterworth of So. Framingham, Mass., sails on July 4 for a visit to England.

Wm. Hielscher, of Detroit, with his mother, left a short time ago to visit his sister in Portland, Ore.

Irma, daughter of Mr. and Mrs. John Bertermann, of Indianapolis, and Alfred Brandt were married on June 30.

Thos. Browne of Detroit will in a short time put a carnation support on the market which looks to be a winner.

F. C. Weber, of St. Louis, with his wife, daughter and the Misses Meinhardt, is making a tour of the western states.

Wm. Anderson, South Lancaster, Mass., sailed on July 3 for a visit to Scotland. His wife and son accompanied him.

Visitors in Pittsburg: Frank Pesternack, of Ernst Wienhoeber Co., of Chicago, attending Victor Bergman's wedding.

Louis Wittbold of Chicago is going to Wheeling, Ill., for a couple of weeks' quiet. Mr. Wittbold is especially interested at this time in his concrete benches.

Herman Kister and Ben Starkey, of Pennock Bros., Phila., are receiving congratulations from their friends on their safety after an exciting immersion in Jersey waters during a recent boating trip.

Peter Sioczynski with his wife and son left Chicago Saturday, the 27th, for a trip to the fatherland. They sailed from New York on the Kaiser William der Grosse on the 30th and will visit Berlin, then go on to the old home at Ponaes, where Mr. S.'s mother still lives.

Albert Knopf, Columbus, O., was presented with a locket charm engraved with a handsome floral design and the club monogram, by the members of the Columbus Florists' Club on June 25. Mr. Knopf has been an interested member and it is hoped that his trip to California will bring him the health that he seeks.

Visitors in Chicago: John Bourgaie, North Side Greenhouses, Racine,

Wis.; C. W. Eichling, New Orleans, La.; Jno. Dallman, Missoula Nursery Co., Missoula, Mont.; Miss Agnes Ridgen, Ottawa, Ill.; Fred Chapman, of the Clinton Falls Nursery Co., Clinton Falls, Ia.; H. Glenn Fleming, Fairmount, W. Va.

Victor Bergman, for thirteen years with Ernst Wienhoeber Co., Chicago, was married June 30 to Miss Lena Ludwig, of Pittsburg, Pa. The bride is the daughter of a well known florist of Pittsburg. The happy couple will take a trip to Boston before returning to Chicago the latter part of July. They will make their home in Evanston avenue.

#### NEWS NOTES.

The Westerly Burial Co., Westerly, R. I., have installed a large refrigerator and will furnish cut flowers at their down town office.

Mrs. Jas. Lister of Newton, Iowa, has again taken charge of her greenhouses after having leased them for two years. N. P. Madsen will have charge of the growing.

The St. Joseph Loan & Trust Co., of South Bend, Ind., who were appointed, June 2, receivers for the South Bend Floral Co., are now offering the plant for sale.

The Waterloo Nursery Co., recently organized to carry on a wholesale and retail nursery business at Waterloo, Ia., have elected P. C. Schmidt president, and C. H. Dietrich secretary.

Chicago plant trade is practically out, yet good Boston and other ferns are moving and many geraniums which could not be induced to bloom earlier are now finding their places in the market.

F. H. Starr, Corning, N. Y., has purchased the Cheney greenhouses and after locating them on the Reynolds estate and making necessary improvements will place them in charge of Eugene Dusenberre.

The business of the late E. Hippard, Youngstown, Ohio, will be continued under the same name under the management of R. H. Little. The Standard Steam Trap, the Standard Ventilating Machine and Standard Duplex Gutter will be the leading specialties as heretofore.

#### BUSINESS CHANGES.

George A. Rackham, Detroit, Mich., has disposed of his business to Michael Bloy and wife for \$14,000.

T. M. Sorenson, who recently purchased the Stafford greenhouses at Marquette, Mich., has now assumed the management.

"Co." has been dropped from the sign over the door and hereafter James Souden will carry on his business in his own name at Minneapolis, Minn.

R. E. Moir, Whitman, Mass., has sold his greenhouses to P. Boyle of Malden, Mass., who will continue the business. Mrs. Moir will retain the management of the down town store.

George I. Haight has closed out his place of business at West Lane, Ridgefield, Conn., and is building greenhouses on Danbury avenue, which he hopes to have ready to open in September.



### BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**  
194 Boylston Street, Boston

Send flower orders for delivery in  
**BOSTON**  
and all  
**NEW ENGLAND POINTS**  
**THOS. F. CALVIN**  
124 Tremont St., Boston

**TRANSFER**  
Your order for flower or plant delivery in  
Eastern New England to  
**JULIUS A. ZINN,**  
2 Beacon St., Boston.  
Fine Des. Work a Specialty

**BRONZE GALAX NONE BETTER**

\$1.00 per 1000. \$7.50 per case (of 1071)

**DACGER FERNS**

\$1.00 per 1000

**The Leo Niessen Company**  
 1209 Arch St., Philadelphia, Pa.  
 After June 27th Store closes 6 p. m.

**CUT FLOWER BOXES**

**EDWARDS FOLDING BOX CO.**  
 MANUFACTURERS  
 PHILADELPHIA, PA.

**Summer Beauties**

ALL GRADES.

**W. E. McKISSICK** WHOLESALE FLORIST  
 PHILADELPHIA  
 1619-1621 RANSTEAD ST.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
 45-47-49 WABASH AVE., CHICAGO

☞ The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**Rice Brothers**

115 N. 6th Street, MINNEAPOLIS, MINN.  
**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
 Write for quotations on large quantities.

**E. A. BEAVEN**  
 Southern Wild Smilax,  
 Log Mosses,  
 Natural and Perpetuated at Wholesale  
 EVERGREEN, ALABAMA.

**TOWER HOTEL**  
 Niagara Falls, N. Y.  
 is soliciting your patronage during the  
 S. A. F. Convention.  
 Very truly yours,  
**M. J. HOENIG, Prop.**

**ADVERTISE**

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

**ADVERTISE****CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
 Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

**AMERICAN BEAUTY and all other ROSES**

**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS., 226 Devonshire St., Boston, Mass.**

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	June 30		June 29		June 27		July 2	
<b>ROSES</b>								
Am Beauty, Fancy and Special..	25.00	to 35.00	25.00	to 30.00	15.00	to 25.00	15.00	to 25.00
"    Exa.....	20.00	to 25.00	18.00	to 20.00	10.00	to 12.50	12.00	to 15.00
"    No. 1.....	15.00	to 20.00	10.00	to 18.00	6.00	to 8.00	6.00	to 10.00
"    Lower grades.....	10.00	to 15.00	6.00	to 8.00	2.00	to 4.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special.....	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	.00	to 4.00
"    Lower grades.....	3.00	to 4.00	3.00	to 6.00	1.00	to 4.00	.25	to 1.00
Killarney, Richmond, Fan. & Sp.....	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00	4.00	to 6.00
"    Lower grades.....	4.00	to 6.00	5.00	to 7.00	1.00	to 4.00	.50	to 4.00
Chatenay, Fancy and Special.....	6.00	to 8.00	5.00	to 8.00	.....	to .....	.....	to .....
"    Lower grades.....	4.00	to 6.00	3.00	to 6.00	.....	to .....	.....	to .....
Kaiserin, Carnot.....	5.00	to 8.00	3.00	to 8.00	6.00	to 8.00	.50	to 6.00
Golden Gate Ivory.....	4.00	to 6.00	4.00	to 8.00	1.00	to 5.00	.50	to 4.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	1.50	to 2.00	2.00	to 2.50	2.00	to 3.00	1.00	to 2.00
Ordinary.....	.75	to 1.00	1.50	to 2.00	.50	to 1.00	.25	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	.....	to 50.00	40.00	to 50.00
Lilies.....	8.00	to 10.00	8.00	to 10.00	10.00	to 12.00	3.00	to 5.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Daisies.....	.25	to 1.00	.75	to 1.25	.50	to 1.00	.....	to .....
Gladioli.....	1.00	to 15.00	2.00	to 12.00	6.00	to 8.00	2.00	to 3.00
Gardenias.....	.....	to .....	.....	to 10.00	.....	to 15.00	12.00	to 25.00
Sweet Peas.....	.25	to .75	.50	to .75	.25	to .50	.15	to .50
Adiantum.....	.75	to 1.00	1.00	to 1.50	1.00	to .....	1.00	to 1.50
Smilax.....	12.00	to 15.00	10.00	to 15.00	15.00	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings.....	25.00	to 35.00	35.00	to 50.00	.....	to 50.00	25.00	to 50.00
"    "    & Spren. (100 bchs.)	35.00	to 50.00	35.00	to 50.00	.....	to 50.00	15.00	to 50.00

**J.A. BUDLONG**

37-39 Randolph Street, CHICAGO.

Roses and  
 Carnations  
 A Specialty.....

WHOLESALE  
 GROWER of

**ROBERT J. DYSART,****Public Accountant and Auditor**

Simple methods of correct accounting  
 especially adapted for florists' use.

**Books Balanced and Adjusted**

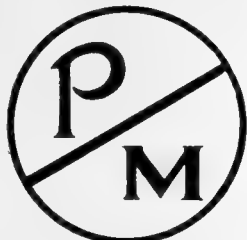
Merchants Bank Building  
**28 STATE ST., BOSTON**  
 Telephone, Main 51

**CUT FLOWERS****J. B. Murdoch & Co.**

Wholesale Florists  
**FLORISTS' SUPPLIES**

714 Penn Ave., PITTSBURG, PA.  
 Long Distance Phone 1435 Court.





When You See This Label  
QUALITY is Guaranteed

## SPECIAL FOR THIS WEEK

# CHIFFONS

The Best Quality

**COLORS:** American Beauty, Violet,  
Purple, Yellow, White, Nile and  
Foliage Green.

### PRICES

#### PLAIN

4 in., 3c per yd.  
6 in., 4c " "  
10 in., 7c " "

#### DOTTED

4 in., 4½c per yd.  
6 in., 5½c per yd.

*Pieces contain about 35 yards each.*

WILL BE CLOSED JULY 4th

**S. S. PENNOCK-MEEHAN CO., "THE" PHILA.**  
WHOLESALE FLORISTS

1608 to 1620 Ludlow Street — Store Closes 6 P. M. After June 27th.

## FLOWER MARKET REPORTS

The season has ended **BOSTON** and tranquility broods over the places where, late and early, hustle and worry have been the rule. According to habit, the shipments of flowers come daily to the markets, reduced in quantity, unpretentious as to quality and indifferent as to disposal, and somebody has to care for them; but it is largely an example of fruitless endeavor, and if they should all quit for a couple of weeks nobody would be noticeably poorer. The only roses that are evidently happy in their summer environment are the Kaiserins and Carnots. The less said of the others the better. But a couple of weeks more will give strength to the young stock and perhaps bring the first installment of new season courage to the trade, and so it will not be long before things begin to stir again.

The week of June 22 was **BUFFALO** one of the best weeks for the cut flower trade since Memorial Day. The supply was well handled by the wholesaler, and though some portion of the carnations and roses were somewhat small and inferior, they moved well and at satisfactory prices. Beauties were in good supply as well as Kaiserins, Richmonds and other teas, and select stock moved on sight. The shorter grades of Beauty were more in demand than the long. Outdoor candidum lilies sold rapidly. Longiflorum and auratum are in good supply; outdoor sweet peas are also in good supply and have sold well considering the amount that has been sent in the market. All in all, the past week's business was satisfactory to all though it did not come up to previous years, as many schools were not allowed to have flowers.

The last days of June **CHICAGO** and the early days of July find the Chicago market dull. There is every variety of flower known to the Chicago trade to please the most fastidious customer, but as one wholesale florist expresses it, "The summer business is with us," and the retailers are not using a great deal of stock. Nothing under the standard grade is needed and stock of that kind cannot be used. The with-

dows in the retail stores are particularly beautiful now, for there is everything to work with and many retailers happily possess the good taste necessary. Prices are not so low as frequently happens in hot weather. Some beautiful gladioli are in the market, among which were noted a particularly fine red variety grown by Zeck & Mann. It is of a clear, deep and beautiful shade and makes a very attractive window flower. These are selling for \$1.50 per dozen, wholesale. Roses are keeping up in quality and prices are not changing much. Sweet peas are often coming in in poor condition. For these there is no sale, but the really good ones sell, and there are many colors to select from. Corn flowers, Shasta daisies and coreopsis are much in evidence. The fern business is quite a feature in the Chicago market at this time. The ferns are cut in northern Michigan and are considered for summer use to be superior to those shipped to this market from Massachusetts. Some Chicago firms require daily shipments.

The market presents an aspect of summer dullness.

**INDIANAPOLIS** Demand is light and arrivals considerable shorter than they have been for some time. Roses are plentiful but generally poor in quality. There is quite a good supply of long-stem Beauties while shorter stock is scarce. Peas are getting scarce and of poor quality. Asters are to be had but not in large quantity. Garden flowers are finding a reasonably good sale. The different kinds of lilies are much in evidence but don't sell readily. There is little business doing in the green line such as maiden hair fern, plumosus and smilax, although considerable outside foliage is being used. The growers are making big preparations for the coming season and are busy rebuilding and improving in general.

A very slow demand **NEW YORK.** and prices tending downward is about the whole story of the flower market this week. Last week was unexpectedly favorable and stock cleaned up well in the latter part of the week. July 1 marks the low ebb and for a time there will be very little to interest either producers or consumers. Club

outing and Independence Day are the chief events of the week, and Niagara Falls is only six weeks away.

There has been **PHILADELPHIA** very little life in this market the past week. One day there was a spurt in American Beauty roses consequent on a big commencement, but outside of that, summer dullness reigned. There was no marked shortage in any line, although receipts have shortened up considerably. Roses, outside of Kaiserins and Liberty were rather poor stock, if we except a few fine Killarneys and American Beauties. Some good outdoor Crocker carnations are coming in showing excellent substance and clear color. We used to get fine outdoor Mrs. Fisher about this time, but this crop seems now to have been abandoned. The lily of the valley market was sluggish. Sweet peas are plentiful and the demand is fair. Orchids are scarce. A few local gardenias are coming in. Auratum and longiflorum lilies are in fair quantity and bring satisfactory returns. Among minor subjects candytuft, achillea, coreopsis, centaurea, gaillardia, gladioli and water lilies are conspicuous.

Business has been **TWIN CITIES** very good the past week; prices keep about the same. Supply nearly equal to the demand. There are very few Beauties. Bride, Bridesmaid and Kaiserin are of good quality and the same may be said of the carnations. Peonies and pansies are off the market.

### LIST OF PATENTS.

- 891,348. Farm Gate. Monroe M. Lamb, Eagleville, Tenn.
- 891,370. Potato Planter. Burton H. Pugh, Topeka, Kans.
- 891,373. Fruit Gatherer. Alphonse Reinche, Reading, Mich.
- 891,450. Seed-Tester Cup. Andrew G. Weander, Sioux City, Iowa.
- 891,476. Potato Digger. Harrison P. Hews, Jackson, Me.
- 891,567. Compound for Combating Fungoid Diseases of Plants. Christian Rumm, Stuttgart, Germany.
- 891,691. Machine for Distributing Artificial Manure, Lime or the like. Paul Grundmann, Ostrau, Germany.

**FORD BROTHERS**

48 West 28th Street, NEW YORK

**FINE ROSES FANCY CARNATIONS**

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,

Choice Cut Flowers,

57 West 28th St., :: NEW YORK.

Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**Richmond Roses and Rich Flowers  
of all varieties**JOS. S. FENRICH**

110 W. 28th Street, New York

Tel. 394-325 Madison Square

**Alfred H. Langjahr**All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.

55 West 28th Street, New York.

Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR  
LARGEST GROWERSA full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARNEDIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 753 Mad Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a.m. to 6 p.m. Sunday  
till 10 a.m.**CUT FLOWERS**

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown

Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664--1665 MADISON SQUARE

ENOUGH SAID

**NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY**

	Last Half of Week ending June 27 1908	First Half of Week beginning June 29 1908		Last Half of Week ending June 27 1908	First Half of Week beginning June 29 1908
<b>Roses</b>			<b>Carnations, Fancy and Novelties.</b>	2.00 to 3.00	1.50 to 2.00
Am. Beauty, fan and sp. ....	10.00 to 20.00	10.00 to 20.00	Ordinary .....	1.00 to 1.50	.75 to 1.00
" extra .....	6.00 to 10.00	6.00 to 10.00	<b>Cattleyas</b> .....	20.00 to 35.00	20.00 to 30.00
" No. 1 .....	4.00 to 6.00	4.00 to 6.00	<b>Lilies</b> .....	3.00 to 4.00	3.00 to 4.00
" Lower grades .....	1.00 to 2.00	1.00 to 2.00	<b>Lily of the Valley</b> .....	1.00 to 2.00	1.00 to 2.00
Bride, 'Mald, fan and sp. ....	3.00 to 6.00	3.00 to 6.00	<b>Gladioli</b> .....	4.00 to 8.00	4.00 to 8.00
" lwr. grds. ....	1.00 to 2.00	1.00 to 2.00	<b>Gardenias</b> .....	3.00 to 12.00	3.00 to 12.00
Killarney, Richmond, fancy & spec	4.00 to 6.00	3.00 to 6.00	<b>Sweet Peas per 100 bunches</b> .....	2.00 to 5.00	2.00 to 4.00
" lower grades .....	1.00 to 2.00	1.00 to 2.00	<b>Adiantum</b> .....	.35 to .75	.35 to .75
Chatenay, Fancy and Special .....	4.00 to 6.00	3.00 to 6.00	<b>Smilax</b> .....	6.00 to 10.00	6.00 to 10.00
" Lower grades .....	1.00 to 2.00	1.00 to 2.00	<b>Asparagus Plumosus, strings</b> .....	20.00 to 25.00	20.00 to 25.00
Kaiserin, Carnot .....	1.00 to 6.00	1.00 to 6.00	" & Spren. (100 bchs.)	10.00 to 20.00	10.00 to 20.00
Golden Gate, Ivory .....	1.00 to 5.00	1.00 to 5.00			

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

New York.

**REED & KELLER**  
122 West 25th St., New York**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in

Glassware Decorative Greens and Florists' Requisites.

**TRAENDLY & SCHENCK**  
WHOLESALE FLORISTS

Furnish best stock at fair prices all the year round Send for quotations on fall orders

Tel. 798-799 Madison Sq.

44 West 28th Street, New York City

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860 Madison  
3861

NEW YORK

**A. MOLTZ**Will purchase flowers on order in  
N. Y. market and ship carefully at  
prevailing wholesale prices. Address

55-57 West 26th Street, New York City



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR

**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in  
Florists' Supplies and Wire Designs.

**383-87 ELLICOTT ST.  
BUFFALO, N. Y.**

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

**84 Hawley St., BOSTON, MASS.**

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

**Palms, Large and Small Ferns, etc.**

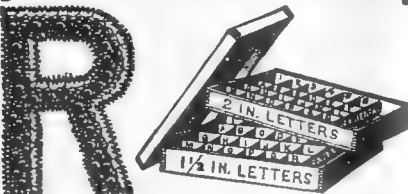
**53 West 30th Street, NEW YORK**

Telephone 2083 Madison

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**

Manufacturers of **FLORISTS' LETTERS**



This wooden box nicely stained and  
varnished, 18x30x12, made in two  
sections, one for each size letter, given  
away with first order of 500 letters

Block Letters, 1½ or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
**66 Pearl Street, BOSTON, MASS.**

**FRANK S. HICKS & CO.**

**Wholesale Florists.**

Open Now for Consignments of Cut Flowers.

**39 West 28th Street, - New York City**

Tel. 2920 Mad. Sq.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNs, \$2.00 per M.

**15 Province St. and 9 Chapman Place, Boston, Mass.**

## WHOLESALE FLOWER MARKETS.

PER 100.  
TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	June 29		June 28		June 29		June 2	
<b>ROSES</b>								
Am. Beauty, Fan, and Sp.....	20.00	to 25.00	25.00	to 35.00	20.00	to 25.00	20.00	to 25.00
"    Extra.....	15.00	to 20.00	18.00	to 20.00	1.00	to 20.00	8.00	to 15.00
"    No. 1.....	8.00	to 10.00	12.00	to 15.00	6.00	to 8.00	8.00	to 10.00
"    Lower grades.....	4.00	to 6.00	6.00	to 10.00	3.00	to 6.00	6.00	to 10.00
Bride, "Maid, F. & S.....	5.00	to 6.00	5.00	to 8.00	6.00	to 8.00	5.00	to 6.00
"    Low. gr.....	2.00	to 4.00	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.....	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00
"    Lower grades.....	2.00	to 4.00	5.00	to 7.00	3.00	to 6.00	6.00	to 10.00
Chatenay, Fancy and Special.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
"    Lower grades.....	3.00	to 4.00	4.00	to 6.00	3.00	to 6.00	6.00	to 10.00
Kaiserin, Carnot.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	2.00	to 10.00
Golden Gate, Ivory.....	5.00	to 8.00	4.00	to 7.00	4.00	to 5.00	.....	.....
<b>CARNATIONS</b>								
Fancy and Novelties.....	2.00	to 3.00	1.50	to 3.00	1.50	to 2.00	.....	2.00
Ordinary.....	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
<b>MISCELLANEOUS</b>								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	.....	50.00
Lilies.....	8.00	to 10.00	6.00	to 10.00	10.00	to 15.00	6.00	to 12.50
Lily of the Valley.....	3.00	to 4.00	5.00	to 4.00	2.00	to 4.00	.....	4.00
Daisies.....	.35	to .50	25	to 1.00	.50	to 1.00	.75	to 1.50
Gladioli.....	.....	to 4.00	10.00	to 12.00	3.00	to 4.00	6.00	to 8.00
Gardenias.....	1.00	to 2.00	.....	to 1.00	.....	to 1.00	10.00	to 15.00
Sweet Peas.....	.50	to .75	.75	to 1.00	.20	to .50	.50	to .75
Adiantum.....	.50	to .75	1.00	to 1.50	.50	to 1.00	.....	2.00
Smilax.....	.....	to 1.10	1.00	to 1.50	.....	to 1.50	12.00	to 15.00
Asparagus Plumosus, strings.....	40.00	to 50.00	40.00	to 60.00	50.00	to 7.00	40.00	to 50.00
"    "    & Spren. (100 bchs.).....	.....	to 25.00	15.00	to 25.00	25.00	to 50.00	30.00	to 40.00

**H. C. BERNING**

**Wholesale Florist**

**1402 Pine Street, ST. LOUIS, MO.**

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Tel. 1134-1136.

**136-138 W. 28th St., New York City**  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs of interest  
in our catalog will be made up promptly on receipt of notice.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

**HORTICULTURAL PRODUCTS**

of every description.

Consignments Received. Surplus Stock Converted.

**62 Vesey St., NEW YORK**

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000.....\$ .75; 50,000.....\$ .75. Sample free.

For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Regular advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AGERATUMS

Ageratum Blue Perfection, in bud and bloom, 2 1/2 in. pots, \$2.00 per 100; 3 in., \$3.00 per 100. Reginald Pratt, Wayne, Pa.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

4 inch.....50 cents each  
5 ".....75 " "  
6 ".....\$1.00 each  
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

## ASPARAGUS

A. N. Pierson, Cromwell, Conn.  
Asparagus Plumosus Seedlings.

J. M. Thorburn & Co., 33 Barclay St., New York.  
Plumous Robustus Seeds.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine plants, \$2.50 per 100; \$20.00 per 1000. Cash with order or good reference. Erie Floral Co., Erie, Pa.; or Wm. F. Kasting Co., 385 Ellicott St., Buffalo, N. Y.

Headquarters in New England for Asparagus Plumosus and Crawshawii Sprays; good big bunches for 25c. Adiantum Croomianum (true), \$1.00 to \$1.25 per 100 fronds. This is the real thing; can be kept cut for over two weeks. Send for sample order. Terms cash or satisfactory reference. J. F. Barclay, Pawtucket, R. I.

## ASTER SEED

Altimo Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

August Reiker & Sons, New York, 31 Barclay St., or P. O. Box 752.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.  
For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. J. F. Barclay, Pawtucket, N. J.

## BEDDING PLANTS

R. Vincent, Jr., & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

Vern L. Schluraff, Erie, Pa.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

For page see List of Advertisers.

S. S. Skidelsky, 1741 N. 18th St., Phila.

Gloire de Lorraine.

For page see List of Advertisers.

R. Vincent, Jr., & Sons Co.,

White Marsh, Md.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2 1/4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDERS' AND FARM LEVELS

Bostrom-Brady Mfg. Co., 139 Madison Ave., Atlanta, Ga.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Lilium Harrisii.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

Cold Storage Lily Bulbs.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.

For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.

Fall Bulbs.

For page see List of Advertisers.

Aug. Rolker & Sons, 31 Barclay St., New York.

Seasonable Import Plants and Bulbs.

K. Velthuis, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

A. Mitting, 17-23 Kennan St., Santa Cruz, California.

Calla Bulbs.

## BULBS AND TUBERS—Continued

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lilium Harrisii.

For page see List of Advertisers.

Walter P. Stokes, 219 Market St., Phila.

French and Dutch Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit L. E. Williams, Nottingham, N. H.

## CANNAS

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

## CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.

Field Grown

Carnations Imperial and Pink Imperial.  
For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

Carnation cuttings of all the leading varieties at the same price as any reliable firm. Write for prices before you look elsewhere. Wm. F. Kasting Co., 385 Ellicott St., Buffalo, N. Y.

CARNATIONS! FIELD GROWN!! Enchantress and Winsor, on and after July 1st. Only a few left. To close out quick, \$55 a thousand. Cash or good reference with order. Wanoka Greenhouses, Barneveld, N. Y.

50,000 Field Carnations now ready, Long Island grown, standard, \$50.00 per 1000; White Enchantress, Beacon, Winsor, Lloyd, \$10.00 per 100. Cash. Harlowarden Greenhouses, Greenport, N. Y.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
For page see List of Advertisers.

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Frank Oechslin, 2570-2606 W. Adams St., Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

Chrysanthemums ready: 2 1/2 inch strong stock of Touse, Oct. Frost, Polly Rose, Wanamaker, and all standards, \$2 per 100, \$18 per M. New: 2 1/2, strong, Alice Roosevelt, Hankey, Clay Frick, Winter Cheer, Rosette, B. May, \$4 per 100, \$30 per M. Cash. Send for catalog. Harlowarden Greenhouses, Greenport, N. Y.

# For List of Advertisers See Page 25

**CHRYSANTHEMUMS — Continued**

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**COLEUS**

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

**CONIFERS**

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.  
For page see List of Advertisers.

**CUT FLOWER BOXES.**

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made.  
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

**CYCLAMEN.**

Cyclamen, finest Giant strain, separate colors, once transplanted seedlings, 2c.; twice transplanted, 3c.; strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

**DAHLIAS**

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

Dahlias, balance of season, 25 named varieties, postpaid, \$1.00. Catalogue free. J. L. Moore, Northboro, Mass.

**DECORATIVE PLANTS**

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

**DRACAENAS**

John C. Hatcher, Amsterdam, N. Y.  
For page see List of Advertisers.

**ECHEVERIAS**

Echeverias, \$18 per 1000, post paid. McDowell, Mexico City.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

**FERNS**

A. Leuthy & Co., Rosindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmani.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.  
For page see List of Advertisers.

Frank Oechsle, 2570 2606 W. Adams St., Chicago.

Ferns for Dishes.  
For page see List of Advertisers.

E. Leuly, 528 Summit Av., W. Hoboken, N. J.

Ferns in Flats.  
For page see List of Advertisers.

M. H. Rose, 46 McComb St., Detroit, Mich.  
For page see List of Advertisers.

Nephrolepis Whitmani, extra fine runners, well rooted, \$3.00 per 100, \$25.00 per 1000. Express paid to all points within 700 miles of Rhode Island. Cash with order only. J. F. Barclay, Pawtucket, R. I.

**FERNS FOR JARDINIERES**

Frank N. Eskesen, Madison, N. J.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New York.  
Sterilized Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

J. N. Champion & Co., 1026 Chapel St., New Haven, Conn.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.

For page see List of Advertisers.

Sidney Hoffman, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

Edward MacMullin, 194 Boylston St., Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH — Continued**

Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Red pots, seed pans, etc.

The Peters & Reed Pottery Co., Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh, Md.

New and Standard Varieties.

For page see List of Advertisers.

S. J. Reuter & Son, Westbury, R. I.

For page see List of Advertisers.

500 S. A. Nutt geraniums, 3 and 3 1-2 in. pots, 3 1-2 cents each. Geo. P. Gridley, Wolfeboro, N. H.

**GLADIOLI**

Gladiolus, large flowering mixed, balance of season, \$1.00 per 100; postpaid. J. L. Moore, Northboro, Mass.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St., Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnson Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**In writing to Advertisers kindly mention Horticulture**



**GREENHOUSE BUILDING MATERIAL — Continued**

I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston. Iron Pipe.

For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave. Brooklyn, N. Y.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange,

88 and 40 Broadway, Detroit, Mich.

Fancy Ferns.

For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,

1133 Broadway New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.

For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

**GREENHOUSE HOSE**

Anchor grade wants well.

Mineralized Rubber Co., New York, N. Y.

Henry A. Dreer, 714 Chestnut St., Phila.

Riverton Hose

For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

F. R. Pierson Co., Tarrytown-on Hudson, N. Y.

Hydrangea Otakna.

For page see List of Advertisers.

John C. Hatcher, Amsterdam, N. Y.

For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.

Rose's Eureka For Scale.

For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**JUMPING BEANS**

Jumping Beans, \$5 per 1000, post paid. McDowell, Mexico City.

**KENTIAS**

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.

For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.....	\$1.50	\$18.00
" 7-in.....	1.75	21.00
" 8-in.....	2.50	30.00
" 8-in. strong. 4.00	48.00	
" 9-in.....	6.00	
Kentia Forsteriana, 7-in.....	2.50	30.00
" 8-in.....	3.00	36.00
" 8-in. strong. 5.00	60.00	
" 9-in.....	6.00	72.00
Made-up Kentia Forsteriana... 6.00	72.00	
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.		

**LOBELIAS**

Double Lobelia, Kathleen Mallard, 2 1/4 in., 4c. Strong cuttings from soil, all full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway,

New York.

For page see List of Advertisers.

**MOON VINES**

Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

For page see List of Advertisers.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.

For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.

Herbaceous Perennials, Hardy Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

Holland Nursery Stock for Forcing.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.

For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.

Orange, N. J.

For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.

For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th St., Philadelphia, Pa.

For page see List of Advertisers.

August Rolker & Sons, 31 Barclay St., New York.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

The E. G. Hill Co., Richmond, Ind.

1-Year Transplanted Peony Clumps.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfeld, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PETUNIAS**

Star Petunias from 2-in. pots, fine, clean plants. \$2.00 per 100, \$18.00 per 1000. W. E. Hall, Clyde, O.

Petunia Rosy Morn, the best bedder, in bud and bloom. 2 1/2-in., ready for shift, \$2.00, 3-in., \$3.00 per 100. Reginald Pratt, Wayne, Pa.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants. Mineralized Rubber Co., New York, N. Y.

**PLANT TUBS**

H. A. Dreer, 714 Chestnut St., Phila.

For page see List of Advertisers.

**For List of Advertisers See Page 25**

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Sidney Hoffman, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.
- Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- J. N. Champlin & Co., 1026 Chapel St., New Haven, Conn.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

- John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.
- Eastern Nurseries, Jamaica Plain, Mass.  
Hardy Hybrid and Dwarf Rhododendrons.  
For page see List of Advertisers.

**ROSES**

- Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.
- R. & J. Farquhar & Co., 6 and 7 South Market Street, Boston.  
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

**ROSES — Continued**

- P. R. Quinlan, Syracuse, N. Y.  
Killarney, Richmond, Bridesmaids.  
For page see List of Advertisers.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- John C. Hatcher, Amsterdam, N. Y.  
For page see List of Advertisers.
- S. J. Reuter & Son, Westbury, R. I.  
Roses Own Roots.  
For page see List of Advertisers.
- Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.
- The beautiful new pink rose, MISS KATE MOULTON is the queen of all pink roses. It's a winner and you should grow it. Price \$30.00 100; 500 \$125.00; 1000 \$200.00; 5000 and upwards \$175 per 1000. Minneapolis Floral Co., Minneapolis, Minn.
- S. A. F. CONVENTION ACCOMMODATIONS**
- Tower Hotel, Niagara Falls, N. Y.  
For page see List of Advertisers.
- SEEDS**
- T. J. Grey Co., 32 So. Market St., Boston, Mass.  
For page see List of Advertisers.
- Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.
- Arthur T. Boddington, 342 W. 14th St., New York.  
Boddington's Challenge Pansy, also Sweet Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.
- H. F. Mitchell Co., 1017 Market St., Phila.  
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Richards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.
- R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
For page see List of Advertisers.
- Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.
- H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
Pansy Seeds.  
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.
- John F. Rupp, Shiremanstown, Pa.  
Chinese Primrose, Cineraria, Giant Pansy Seeds.
- Walter P. Stokes, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.
- SMILAX**
- R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.
- Smilax, choice young plants from fall; \$3.00 per 1000, 2000 for \$5.00, 5000 for \$10.00; 50c. per 100 by mail. F. A. Baller, Bloomington, Ill.
- Smilax, strong, 2 1/4 in. pots, \$1.50 per 100; \$15.00 per 1000. Cash please. Wm. Livesey, McCabe St., New Bedford, Mass.
- SPHAGNUM MOSS**
- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.
- Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

- Charles J. Jager Co., 281-85 Franklin St., Boston.  
For page see List of Advertisers.
- "SHOWERMAKER," St. Jos. Kopesay, So. Bend, Ind.

**STEAM TRAP**

- E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**SWEET PEAS**

- A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

- E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**TUBEROSES**

- Stumpp & Walter Co., 50 Barclay St., New York.  
For page see List of Advertisers.
- No. 1 Pearl Tuberose bulbs, \$5.00 per 100. Schlegel & Fottler Co., 26 South Market St., Boston.

**VEGETABLE PLANTS**

- R. Vincent, Jr. & Sons Co., White Marsh, Maryland.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.  
For page see List of Advertisers.
- Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Aim.  
For page see List of Advertisers.

**VENTILATING MACHINERY.** New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1132 Broadway, N. Y.

**VIOLETS.**

- Maria Louise and Farquhar violet plants, strong, February and March sand struck, clean and free from disease, \$2.00 per 100; \$15.00 per 1000. Will be ready May 15. Cash with order, please. C. Lawritzen, Box 261 Rhinebeck, N. Y.
- How to Make Money Growing Violets, will be sent postpaid for 25c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Commercial Violet Culture, by B. T. Galloway, sent postpaid for \$1.50, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Violet Marie Louise, No. 1 sand rooted cuttings for sale. Write for prices. Alva Bishop, P. O. Box 163, Rhinebeck, N. Y.

**VINCAS**

- John C. Hatcher, Amsterdam, N. Y.  
For page see List of Advertisers.

**WIRED TOOTHPICKS**

- W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWOK**

- Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Weigel & Ujfalussy, 136-138 W. 28th St., New York.  
Flowers, Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Head cutters for wire work. Send for list. Hall & Betz, 31 E. 3rd St., Cincinnati.

**In writing to Advertisers kindly mention Horticulture**



# Tobacco Paper "NICO-FUME" LIQUID

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

## WHOLESALE FLORISTS

### Boston

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.

For page see List of Advertisers.

### Buffalo

Wm. F. Kasting Co., 383-87 Ellcott St., Buffalo, N. Y.

For page see List of Advertisers.

### Chicago

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.

For page see List of Advertisers.

### Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

### Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

### New York

J. S. Fenrich, 110 W. 28th St., New York.

For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York.

For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.

For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York.

For page see List of Advertisers.

C. Horan, 55 W. 28th St., New York.

For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.

For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.

For page see List of Advertisers.

John I. Raynor, 49 W. 28th St., New York.

For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York.

For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New York.

For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.

For page see List of Advertisers.

Frank S. Hicks & Co., 39 W. 28th St., New York.

For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

For page see List of Advertisers.

Phillip F. Kessler, 55 and 57 W. 26th St., New York.

For page see List of Advertisers.

A. Moltz, 55-57 W. 28th St., New York.

For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York.

For page see List of Advertisers.

## Philadelphia

W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.

For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.

For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.

For page see List of Advertisers.

Edward Reid, 1526 Ranstead St., Philadelphia, Pa.

## Pittsburg

J. B. Murdoch & Co., 714 Penn Ave., Pittsburgh, Pa.

For page see List of Advertisers.

## St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.

For page see List of Advertisers.

## WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St., New York.

For page see List of Advertisers.

## WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.

For page see List of Advertisers.

## New Offers in This Issue.

### ARTISTIC CATALOGUE ILLUSTRATING.

Gardner & Manning, 2741 S. 6th St., Philadelphia.

For page see List of Advertisers.

### COLD STORAGE LILIUM SPECIOSUM AND AURATUM.

Arthur T. Boddington, 342 W. 14th St., New York.

For page see List of Advertisers.

### MUSHROOM SPAWN.

Anglo-American Spawn Co., Kenilworth Square, Perth.

For page see List of Advertisers.

### ORCHIDS JUST ARRIVED.

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

### PANSY SEED.

I. I. Mitchell Co., Philadelphia.

For page see List of Advertisers.

### ROSES BRIDE AND 'MAID.

The F. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

### SMILAX.

A. A. D. Snyder, Ridgewood, N. J.

For page see List of Advertisers.

### VIOLETS.

Heiss, Florist, 112 S. Main St., Dayton, O.

For page see List of Advertisers.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## SITUATIONS WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

**THOS. H. BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

A GOOD side line for salesmen calling on greenhouses, etc. Pocket samples. State territory and references. Factory, P. O. Box 1371, New York.

WANTED Good man for smilax and espaliers, vegetable plants, etc. \$12 per week to start, must be well recommended. Perfect position to right man. Elena Nurseries, Port Allegany, Pa.

WANTED Experienced rose grower to take charge of a range of houses. Address with credentials. K. K. care HORTICULTURE

## FOR SALE

FOR SALE—Greenhouses. About 30,000 feet of glass in first-class condition, well stocked with roses; fine location for retail trade. Handy to Boston market for wholesale; chance of a life time. Reason for selling all my time is taken up with other business. Write for particulars or call and see them. Address H. F. Crawford, Montello Station, Brockton, Mass.

FOR SALE—Special—Glass for sale below cost. 16x24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parschelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE—27,000 feet of glass; filled with first-class stock; located in one of Chicago's suburbs; low price. Address Florist, 4016 N. Clark St., Chicago

## List of Advertisers

Page	Page
Advance, The Co. .... 27	Manda Jos. A. .... 9
Altum Culture Co. .... 13	MacMullen E. A. .... 15
American Nursery .... 4	McCarthy N. F. & Co. .... 17
American Nursery Co. .... 4	McConnell Alex. .... 14
Aschmann G. .... 13	McKellar Charles W. .... 16
Atlanta Floral Co. .... 4	McKissick, W. E. .... 16
Bambrick Thos. H. .... 24	McManus Jas. .... 18
Barrows H. H. & Son. .... 15	Metropolitan Ma- terial Co. .... 26
Bayersdorfer H. & Co. .... 15	Michell H. F. Co. .... 13-25
Bay State Nurseries. .... 4	Michigan Cut Flower Exchange. .... 19
Beaven E. A. .... 16	Millang Bros. .... 18
Berning H. G. .... 19	Moltz, A. .... 18
Boddington A. T. .... 2-13	Moninger J. C. .... 26
Boston Florist Letter Co. .... 19	Moore, Hentz & Nash. .... 18
Boston Plate and Win- dow Glass Co. .... 25	Murdoch J. B. & Co. .... 16
Bosch, Felix. .... 9	Murray Samuel. .... 14
Braslan Seed Growers Co. .... 13	Niessen Leo. Co. .... 16
Breck Joseph & Sons. .... 13	Oechslin Frank. .... 2
Breitmeyer's J. Sons. .... 14	Ordonez Bros. .... 9
Bridgeman's Seed Warehouse. .... 13	Ouwkerk P. .... 4
Budlong J. A. .... 16	Palethorpe P. R. Co. .... 25
Burpee W. A. & Co. .... 13	Park Floral Co. .... 24
Carrillo & Baldwin. .... 9	Payne John A. .... 25
Cassidy I. .... 27	Pennock-Meehan Co. .... 17
Castle Co. .... 26	Perkins St. Nurseries. .... 2
Chicago Carnation Co. .... 3	Pierce F. O. Co. .... 27
Clarke's David, Sons Cleary's Horticultural Co. .... 19	Pierson, A. N. .... 3
Cowee W. J. .... 19	Pierson F. R. Co. .... 3-9
Craig, Robt. Co. .... 4	Pierson U Bar Co. .... 28
Dingee & Conard Co. .... 4	Poehlmann Bros. Co. .... 4
Doane Geo. B. & Son. .... 27	Pulverized Manure Co. .... 25
Dorner F. Sons & Co. .... 3	Quaker City Machine Co. .... 27
Dreer H. A. .... 10-27	Quinlan P. R. .... 4
Dunlop John H. .... 14	Raynor John I. .... 18
Dysart R. J. .... 14	Reed & Keller. .... 18
Eastern Nurseries. .... 4	Reinberg Peter. .... 16
Edwards Folding Box Co. .... 16	Reuter S. J. & Sons Co., Inc. .... 4-9
Elliot Wm & Sons. .... 13	Rice Bros. .... 16
Ester J. G. .... 27	Rickards Bros. .... 13
Ernest W. H. .... 25	Robinson H. M. & Co. .... 19
Eskenen Frank N. .... 9	Rock Wm. L. Flo. Co. .... 14
Eyres. .... 14	Roehrs Julius Co. .... 9
Farquhar R. & J. Co. .... 4	Roper Albert. .... 3
Fenrich J. S. .... 18	Roland, Thomas. .... 2
Fiske, H. E. Seed Co. .... 13-25	Rolker August & Sons. .... 25
Foley Mfg. Co. .... 27	Rose Hill Nurseries. .... 9
Ford Bros. .... 18	Rose M. H. .... 3-25
Froment H. E. .... 18	Sander & Son. .... 9
Galvin Thos. F. .... 15	Schulz Jacob. .... 4
Getchell & Manning. .... 10	Scott, John. .... 2
Grey T. J. Co. .... 13	Sharp, Partridge & Co. .... 26
Gude Bros. Co. .... 14	Sheridan W. F. .... 18
Guttman Alex. J. .... 18	Siggers & Siggers. .... 26
Hall Asso. .... 27	Situations & Wants. .... 24
Haines, J. E. .... 3	Skidelsky S. S. .... 2
Hartmann Hjalmar & Co. .... 13	Smith Wm J. .... 14
Hatcher, John C. .... 3	Snyder A. D. F. .... 9
Hauswirth M. C. & J. E. .... 14	Standard Plate Glass Co. .... 26
Heacock Joseph. .... 4	Stearns A. T. Lumber Co. .... 27
Heiss, Florist. .... 3	Stokes Seed Co. .... 12
Herbert David & Son. .... 9	Stump & Walter Co. .... 2-25
Hews A. H. & Co. .... 25	Thorburn J. M. & Co. .... 13
Hicks Frank S. & Co. .... 19	Totty Chas. H. .... 3
Hilfinger Bros. .... 25	Tower Hotel. .... 16
Hill, The E. G. Co. .... 4	Traendly & Schenck. .... 18
Hippard E. .... 26	Valentine, J. A. .... 14
Hoenig M. J. .... 16	Velthuis K. .... 9
Hoffman. .... 15	Vick's Jas. Sons. .... 13
Horan E. C. .... 18	Vincent R. Jr. & Sons, .... 2-12
Houghton & Clark. .... 14	Waterer John & Sons. .... 4
Hunt E. H. .... 25	Weathered Co. .... 28
Jager, Chas. J. Co. .... 23	Weber F. C. .... 14
Kasting W. F. .... 19	Welch Bros. .... 16
Kentucky Tobacco & Product Co. .... 24	Weigel & Ujfalussy. .... 19
Kessler, P. F. .... 18	Wilson. .... 14
King Cons. Co. .... 27	Winterson, E. F. Co. .... 16
Kuebler Wm H. .... 19	Withold Geo. Co. .... 14
Lager & Hurrell. .... 9	Woodrow, Sam'l A. .... 19
Langjahr, Alfred H. .... 18	Yokohama Nursery Co. .... 3
Leuly E. .... 2	Young & Nugent. .... 14
Leuthy A. & Co. .... 28	Zangen O. V. .... 13
Lord & Burnham Co. .... 28	Zinn Julius A. .... 15
Lutton W. H. .... 27	Zovlanet A. C. .... 13

## BRINGS PRODUCER AND BUYER TOGETHER.

"This spring I wanted some stock that did not prove easy to get. After vain attempts in New Jersey and elsewhere one day a sample copy of HORTICULTURE came to hand and, lo! in it I saw advertised just what I wanted, within 20 miles of home. To do the square thing I took my dollar ought to go forward. Here's your dollar."

Yours,

Rhode Island. E. A. CHIPMAN

## John A. Payne

Greenhouse Designer and Builder  
260-274 Culver Ave., Jersey City, N. J.

Purlins



Let us estimate on your requirements.

Everything for the Greenhouse



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	150 7 in. pots in crate \$4.20
1500 3 1/2 " " " 5.25	60 8 " " " 3.00
1500 3 1/2 " " " 6.00	
1500 3 1/2 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.80
300 4 " " " 4.50	24 11 " " " 3.60
330 5 " " " 4.51	24 12 " " " 4.80
144 6 " " " 3.16	12 14 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Reiker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower .. POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

BOSTON PLATE &amp; WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.



## JAGER SPRAYERS

are money makers and money savers because they enable you to do the work right, with little labor and without wasting solution. We make an outfit for every need, from large Power Sprayers to small Hand Sprayers—each the best of its kind. Special Sprayer Book free, illustrating and describing our complete line. Investigation pays.  
Chas. J. Jager Co., 281-3 Franklin St., Boston, Mass.  
Branch: 83 Canal St., Providence, R. I.



## Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

IF YOU ARE TROUBLED with Scale, Thrip, Red Spider, Black and Green Fly, Mildew, Rust, Stem Rot, etc., ... USE ...

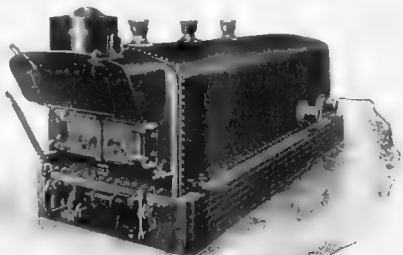
## ROSE'S EUREKA

the never failing remedy \$1.00 per Bottle,  
\$0.00 per dozen Bottles.

M. H. ROSE, 46 Macomb Street, DETROIT, MICH.  
Agents Wanted in Every State.

## GREENHOUSE HEATING

From The Weekly Florists' Review, Dec. 20, 1906.



### A HEATING RECORD

I have two houses, each 23 x 100, in which I grow lettuce and general stock. I keep a night temperature 50 to 52 degrees. They are heated with hot water. I had a special boiler made to order that has proved itself beyond my expectations. In the winter of 1905-6 I used thirty-one tons of coal at \$1.90 and ten cords of 3-foot wood worth about \$2.50 per cord. This I thought very reasonable. The circulation is perfect. Last winter in moderate weather, that is, not windy and outside temperature 20 degrees or so above zero, I would leave the boiler nine hours with a variation of but 3 degrees.

Ten days ago I was called to Cleveland over night. The outside temperature was 40 degrees at 2.40 p. m., when I left the boiler, with a gradually sinking mercury. There being no men about, I left instructions that the boiler should not be touched until next morning. My wife, on my return next evening, reported that at 7 p. m. it became quite windy and by 9.30 was freezing, with stormy outlook. When she awoke at 6 a. m. the outside temperature was 26 degrees, and the greenhouses were 47 degrees. I think this is a record for **fifteen hours and twenty minutes without attention.** I would like to hear from anyone who can beat it.

C. S. TEMPLIN, Garrettsville, Ohio.

THIS IS A KROESCHELL BOILER, ASK HIM.

KROESCHELL BROS. CO., 35 ERIE ST., CHICAGO

## Don't Build

without first investigating the best device ever invented for  
*Heating Economy.*

## Don't Repair

until you have got some information as to how we can help you by installing the

## ELECTRIC CIRCULATOR

State your proposition and we will reply promptly.  
It will cost you nothing but a two cent stamp.

THE CASTLE COMPANY, HEATING ENGINEERS  
170 Summer Street, BOSTON, MASS.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

## METROPOLITAN MATERIAL CO.

GREENHOUSE WRECKERS

**GLASS** Look at these prices. New American 50 ft. to the box, 10 x 12 single \$1.60 per box, 10x12, 12x12 B. double \$2.00 per box, 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x18 B. double at \$2.15 per box, and 16x20, 16x24, 12x24 B double \$2.26 per box. Discount on large quantities. Let us quote you on

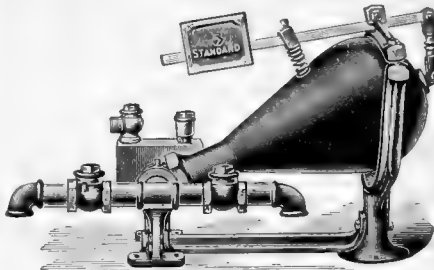
CYPRESS MATERIAL HOTBED SASH BOILERS PIPE FITTINGS HOTBED FRAMES MATS

1302-1408 METROPOLITAN AV., BROOKLYN, N. Y.

## GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.  
117 E. Blackhawk St., CHICAGO

## THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

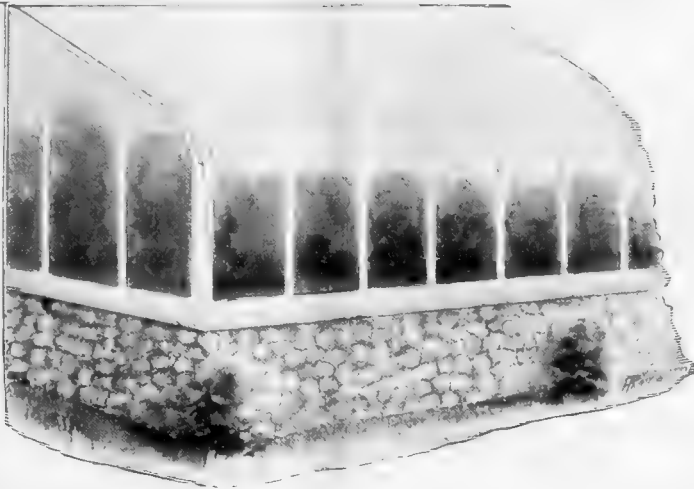
LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

In writing to Advertisers kindly mention Horticulture



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.



### The Advance Ventilating Apparatus

"Your machine is the best we have ever used" is what an Ohio florist writes us in remitting for his machine. It is not good only in one part but it is the best in all parts—the results of experience, of careful study, of mechanical construction, best material and backed by moderate prices that makes our line so popular. Give us a trial.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts. All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419



### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

### Holds Glass Firmly

See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

**HENRY A. BREER**  
714 Chestnut St., Phila., Pa.



The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John G. Esler, Sec'y, Saddle River, N.J.**

# THE FOLEY MFG. CO.

## CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

32 feet or longer

**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

EREGED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

## I. CASSIDY

Designer and Builder of

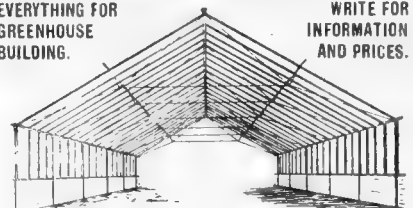
**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.

Newark, N. J.

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## MASTICA

FOR Greenhouse Glazing

USE IT NOW.

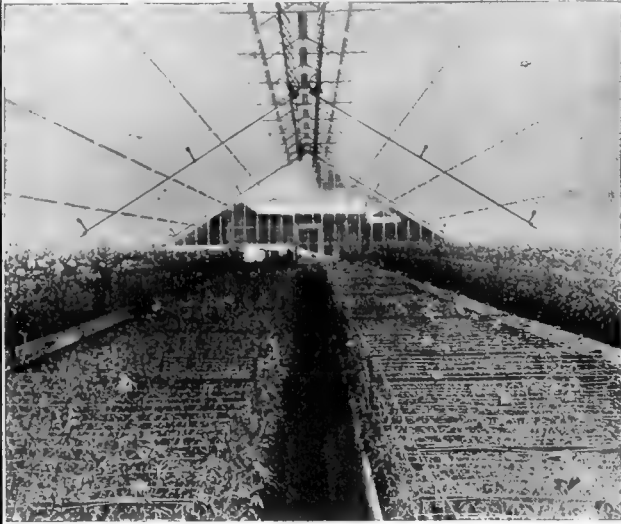
**F. O. PIERCE CO.**

12 W. Broadway and  
227 Greenwich St.  
NEW YORK



# THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

## WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.



## THE BURNHAM BOILER CATALOG

Send right now for it—Brimful  
of greenhouse boiler sense. It  
tells why a Cast Iron Boiler is  
most economical.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

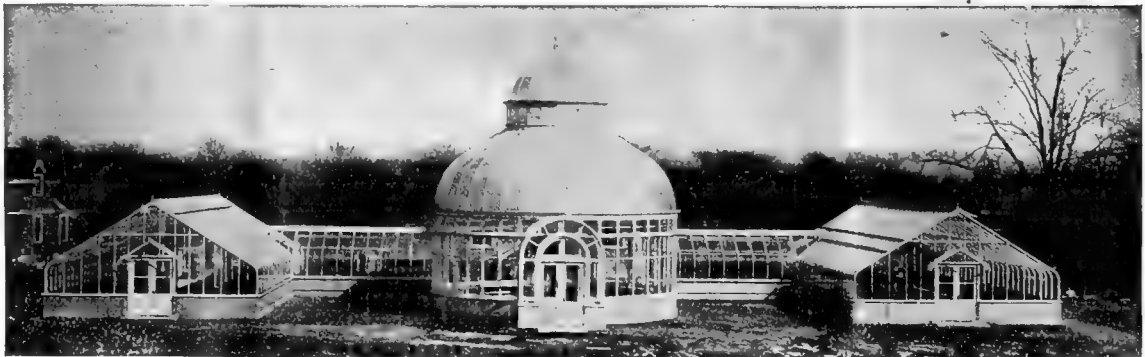
1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## THE POINT IS THIS

Here is a greenhouse construction that is entirely free from any heavy supporting members. The roof is a clean sweep of unobstructed glass, from ridge to sill. There is no shade casting gutter. The glass is spaced 24 inches instead of 16 inches. All this makes it possible for more light to reach your plants than in any other construction. All the interior iron parts are galvanized and finished with a glistening, enduring aluminum paint. The entire equipment of benches, ventilating apparatus, and heating plant is of the highest order. Then, to these advantages add those of attractiveness and endurance. The catalog points out in an interesting way, the structural strong points. It is arranged in such a manner as to be of great assistance to you in selecting houses for your particular wants. There are some dozen or more greenhouse subjects treated, with plans, and exterior and interior views. In fact, it is indispensable to those intending to build a greenhouse. We will be glad to mail a copy to any gardener or superintendent sending a request for it.

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



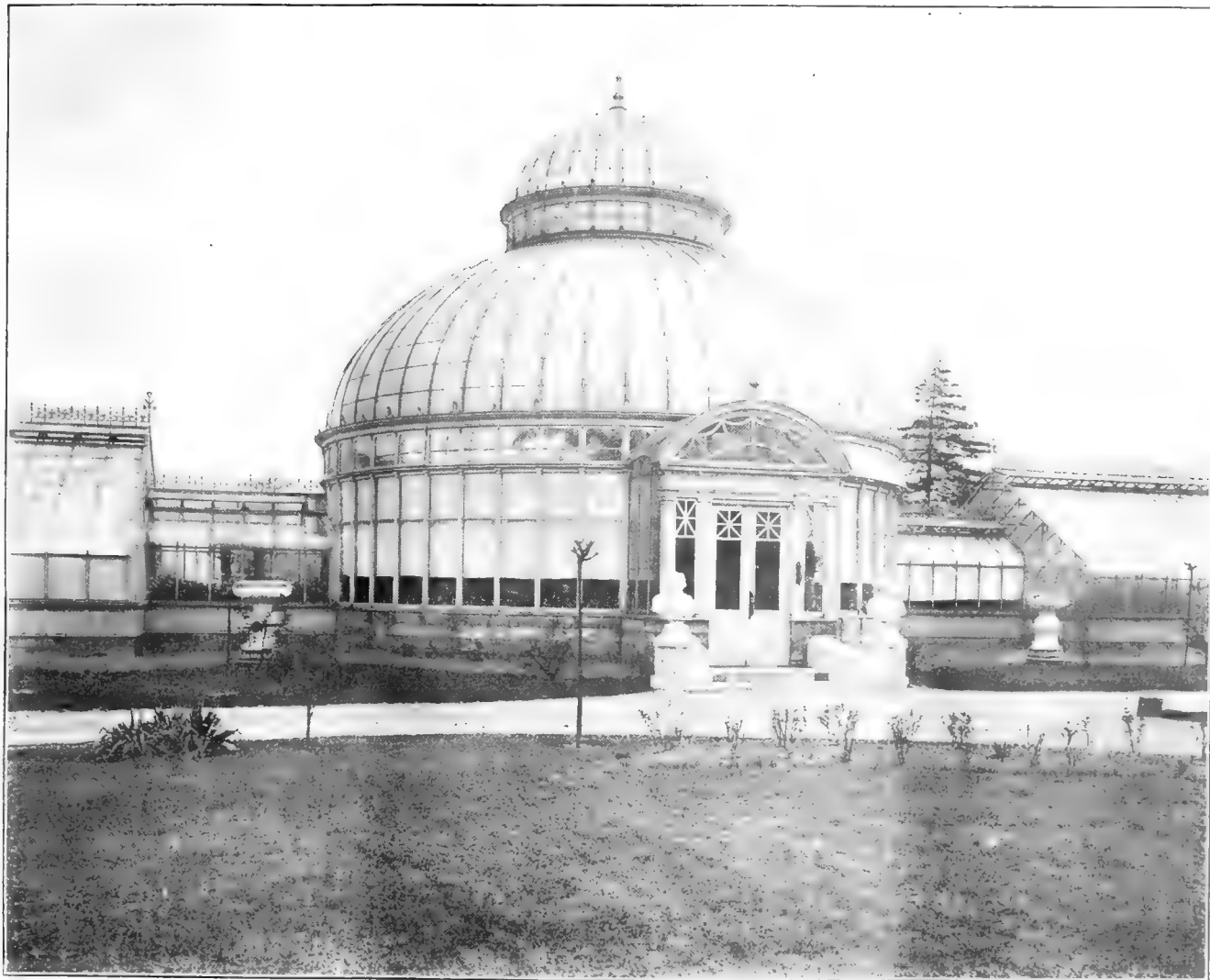
U-BAR CO.

1 MADISON AVE., NEW YORK



# HORTICULTURE

Vol. VIII. JULY 11, 1908 No. 2



CIRCULAR CURVILINEAR U-BAR PALM HOUSE  
Conservatories of H. J. Heinz, Pittsburg

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 111 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*



# GERANIUMS

## OUR SPECIALTY!

WE are prepared to grow Geraniums on quite an extensive scale next season, and are making very interesting prices on orders booked now for delivery during the Fall and Winter. Send us a list of what you can use and when you will be ready for them and see what we can do for you. Only plants from 2-in. pots. We do not send out rooted cuttings.

**WE HAVE A SPLENDID LOT READY FOR IMMEDIATE SHIPMENT FROM 2-IN. POTS, IN FINE SHAPE.**

Standard Sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, single or double, all good sorts, a splendid collection to stock up on.

Newer Varieties selected from the finest introductions of 1905-6 at \$6.00 to \$8.00 per 100.

Novelties, one each of 50 varieties for \$5.00, from 1907 introduction from Bruants, Lemoine, Rozain, Bouchardat, Callells and other specialists.

SMILAX, strong plants, \$2.00 per 100.

COLEUS, Golden Bedder and Verschaffeltii, 2 in., \$2.00 per 100.  
3 in., 3.00 per 100.

BEGONIA, Vernon and Gracilis, 2 in., \$2.00 per 100.

HARDY CHRYSANTHEMUMS, \$2.00 per 100 500 in 20 varieties, our selection for \$9.00. 1000 in 20 varieties our selection for \$17.50, strong plants from 2 in. pots.

**R. VINCENT JR. & SONS COMPANY, White Marsh, Md.**

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR  
BUSH PLANTS IN POTS  
Large Flowered, Pompon, Anemone  
Flowered and Single.

Good Assortment in Early Mid season and  
Late, 2½ in. 50c per doz., \$3 per 100.  
4½ in. in pots, \$1 per doz., \$8 per 100.

PRIMULA OBCONICA and P. CHINENSIS  
Best Varieties

Ready July 15th, 2½ in. pots, \$3.00 per 100, \$25.00 per 1000.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

## Special Low Prices

On large Specimen Kentias, Palms,  
in Variety, Araucarias, etc.,  
for Decorating Purposes.

## JUST RECEIVED

A large shipment of medium sized Kentias, Arecas, Coccos, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

**A. LEUTHY & CO.,**

Perkins St. Nurseries, ROSLINDALE, MASS.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

## Begonia Gloire de Lorraine

Strong 2½ in. pot plants, leaf  
cuttings, \$15 per 100, \$140  
per 1000. Early June delivery  
or NOW if wanted.

S. S. SKIDELSKY, 1741 No. 18th St. PHILADELPHIA

## Smilax

Good, strong plants, 2½ in. pots, \$1.75 per 100  
\$1.00 per 1000 Cash with order

**A. V. D. SNYDER, Ridgewood, N. J.**

## NEP. WHITMANI

2½ in., \$5.00 per 100

## NEP. WHITMANI

3½ in., \$25.00 per 100

## BOSTON FERNS

2½ in., \$3.00 per 100

**H. H. BARROWS & SON Whitman, Mass.**

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c. and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

## JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford **BROOKLYN, N. Y.**



## COLD STORAGE

## LILIUM SPECIOSUMS AND AURATUMS, &c

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

### LILIUM SPECIOSUM RUBRUM—Cold Storage.

8-9 inch bulbs, 225 in a case, \$6.50 per 100; \$60.00 per 1000  
9-11 inch bulbs, 125 in a case, \$10.00 per 100; \$90.00 per 1000

### LILIUM SPECIOSUM ALBUM—Cold Storage.

8-9 inch bulbs, 225 in a case, \$9.00 per 100; \$80.00 per 1000  
9-11 inch bulbs, 125 in a case, \$14.50 per 100; \$140.00 per 1000

### LILIUM SPECIOSUM MEMPOMENE—Cold Storage.

8-9 inch bulbs, 225 in a case, \$7.50 per 100; \$70.00 per 1000  
9-11 inch bulbs, 125 in a case, \$11.00 per 100; \$100.00 per 1000

### LILIUM AURATUM—Cold Storage.

9-11 inch bulbs, 125 in a case, \$9.00 per 100; \$85.00 per 1000

### LILIUM LONGIFLOKUM GIGANTEUM—Cold Storage.

7-8 inch bulbs, 300 in a case, \$8.00 per 100; \$70.00 per 1000; \$21.00 per case  
8-9 inch bulbs, 300 in a case, \$9.00 per 100; \$85.00 per 1000; \$25.00 per case  
9-10 inch bulbs, 200 in a case, \$14.00 per 100; \$130.00 per 1000; \$25.00 per case

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,** 342 WEST 14TH STREET,  
NEW YORK CITY

## GERANIUMS

Strong, stocky plants in bud and bloom:  
scarlet; crimson; white and pink. 4 in. pots,  
\$6 per 100

**S. J. REUTER & SON, Inc.,**  
WESTERLY, R. I.

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**

Successors to L. K. Peacock, Inc.  
ATCO, N. J.

**BEWARE** of the Rubbish Heap **Advertise! Advertise!** Space in Horticulture is reasonable and effective. Try it and you'll have a surplus to throw away.

# CANNAS

**STARTED PLANTS in 3½ and 4-in. POTS  
READY FOR IMMEDIATE PLANTING**

Mme. Nardy, Mlle. Berat, Robert Christie, Golden King, Pennsylvania, L. Patry, Florence Vaughan, Pandora, Austria, Rohallion, Pierson's Premier, Queen Charlotte, Frederick Benary, etc.

**EXTRA STRONG PLANTS, \$6.00 PER 100**

**VINCAS AND ENGLISH IVIES**

Extra fine plants in ½ and 4 inch pots, for vases, tubs, etc.  
\$8.00 per 100; extra size, \$10.00 per 100.

**HYDRANGEA OTAKSA**

**LARGE PLANTS IN TUBS AND HALF-BARRELS FOR JULY AND AUGUST FLOWERING.**

We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity—  
from single plants up to carload lots. Large plants in tubs, \$2.00 and \$3.00 each. Extra large plants in half-barrels, \$5.00 and \$7.00 each.

**NASTURTIUMS.** Bushy plants, 2 inch pots, \$6.00 per 100.  
**SALVIAS, Bon Fire.** 2½ in. pots, \$4.00 per 100.  
**AGERATUM.** 2½ inch pots, \$1.00 per 100.  
**MOON FLOWERS.** 2½ inch pots, \$6.00 per 100.  
**COLEUS, assorted.** 2½ inch pots, \$3.00 per 100.  
**ALYSSUM, Tom Thumb.** ½ in. pots, \$3.00 per 100.  
**CROTONS, for bedding.** Extra strong plants, 3½ inch pots, \$25.00 per 100; 5 inch pots, \$50.00 per 100.

**ACALYPHA MUSAICA.** Extra choice, for bedding. 2½ inch pots, \$6.00 per 100.

**PANDANUS VEITCHII.** 4 in. pots, \$9.00 per dozen; 6 inch pots, \$12.00 per dozen; large plants, \$2.00 to \$3.50 each, according to size.

**FICUS ELASTICA.** 5 inch pots, \$4.00 per doz; 6 inch pots, \$6.00 per doz.

**DRACENA FRAGRANS.** Extra large plants, 6 inch pots, 4 feet high, \$12.00 per dozen.

**FERNS, assorted.** Extra heavy plants, 2½ inch pots, \$1.00 per 100; 3½ inch pots, extra heavy, \$10.00 per 100.

**NEPHROLEPIS PIERONI ELEGANTISSIMA.** 2½ inch pots, \$6.00 per 100; 3½ inch pots, \$15.00 per 100; 6 inch pots, \$6.00 per dozen, 8 inch pots, \$12.00 per dozen.

**BOXWOOD, Pyramids.** Extra fine plants, \$2.00 and \$3.00 each.

**PANSIES, ENGLISH DAISIES, and FORGET-ME-NOTS.** \$3.00 per 100.

**CAKNATIONS, Winsor and White Enchantress.** We can supply these in quantity, ready for immediate planting. Strong established plants from 2½ inch pots, \$7.50 per 100, \$60.00 per 1000.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Araucarias, Kentias Bay Trees

**Araucaria Excelsa Glauca.** Sp. Men-n Plants, 7 in. pots, 6 year old, 5 tiers, 25 to 31 inches high, same in width, \$2.00, \$2.50, \$3.00 to \$4.00 each; 6 in. pots same variety \$1.00 to \$1.50.

**Robusta Compacta.** 6 in. pots, \$1.25, \$1.50 each.  
**Excelsa,** 3 tiers, 2 to 10 inches, 7½ in. pots, 400, 5½ to 7 in., 2 tiers, 10 to 14 inches, 10 to 20 inches high, 500, 600, 750, \$1.00 each.

**Kentia Belmoreana.** 5½ to 5½ in. pots, 20 to 25 ins. high, 500, 600, 750, 1000, \$1.00 each.

**Forsteriana,** 7 in. pots, made up, 4 in. and above, \$3.00 each. 7 to 10 in. high, single, \$2.00. 6 in. pots, 10 in. high, \$1.50. 5 in. pots, 20 to 25 in. high, 150 to \$1.00 each. 3½ in. pots, 20 to 25 in. high, 500 to 600.

**Bay Tree,** just arrived from Europe, Standard, 8-ft. high from top of tub. crown 30 inches in diameter, per pr., \$15.00.

**Solanum or Jerusalem Cherries,** new improved strain, 2½ in. pots, \$5.00 per 100.

**Begonia Gloire de Lorraine,** raised from leaf cuttings, 3 inch pots, ready for shift into 4 or 5 inch, 250.

Cash with order, please. All goods must travel at purchaser's risk

## Godfrey Aschmann

Importer, Wholesale Grower  
and Shipper of Pot Plants

1012 West Ontario St. Philadelphia, Pa.

**Asparagus plumosus nanus,** Sprengeri, in \$3.00 per 100.

**Aspidistra,** excellent plants, 3 in. pots, green \$5.00 per doz., variegated, \$15.00 per 100.

**Araucaria excelsa,** \$25.00 per 100 upwards.

**Adiantum cuneatum,** 3 in. pots, \$1.00 per 100.

**Ficus elastica Rubra,** 5 in. pots, \$1.00 per 100.

**Dracena indivisa,** \$4.00 to \$25.00 per 100.

" Santerii, 3 in. pots, \$1.00 per 100.

" Godeffiana, in 2½ in. pots, \$1.00 per 100.

**Cocos Weddelliana,** 3 in. pots, \$1.00 per 100.

**Lantana Borbonica,** 3 in. pots, \$1.00 per 100.

**Kentia Forsteriana and Belmoreana,** \$1.00 per 100 up to \$10.00 each.

**Smilax,** 3 in. pots, \$1.00 per 100.

**Poinsettia,** 3 in. pots, \$1.00 per 100.

**Nephrolepis Scotti, Piersonii,** in 3 in. pots, \$1.00 per 100.

**Bostoniensis,** 3 in. pots, \$1.00 per 100.

Absolute Satisfaction Guaranteed.

**M. H. ROSE,** 46 Macomb Street, Detroit, Mich.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## BAY STATE

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

## ROSES

Well rooted 3 in., ready for shipment—

**Uncle John, Chatenay, Golden Gate, Ivory Bridesmaid and Bride**

\$4.00 per 100, \$35.00 per 1000.

**Dracaena indivisa,** fine thrifty stock in 3 in. \$5.00 per 100. Special price by the 1000.

**Hydrangea Otaksa,** 2½ in. \$2.50 per 100, \$21.00 per 1000.

**Vinca variegata,** heavy, splendid color, 3 in. \$6.00 per 100, 4 in. \$10.00 per 100.

**JOHN C. HATCHER  
AMSTERDAM, N. Y.**

Stores: Amsterdam and Schenectady Green-Town of Florida houses and Hoffmans

**A. N. PIERSON, Inc.  
CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

## CHRYSANTHEMUMS

In all standard varieties and colors now ready for planting from 2½ in. pots, \$3.00 per 100, \$20.00 per 1000.

**CHARLES H. TOTTY, Madison, N. J.**

## CARNATIONS

**F. DORNER & SONS CO.**

La Fayette, Ind.

**BEST VARIETIES**

Field-grown

**CARNATION PLANTS**

CHICAGO CARNATION CO.

A. T. PYFER, MGR.

JOLIET, ILL.

**JOHN E. HAINES**

Bethlehem, Pa.

Field plants of the following varieties will be ready by August 1st.

John E. Haines, red Imperial variegated Pink Imperial, Pink Enchantress, Light Pink

Per 100 Per 1000  
\$6.00 \$50.00

Place your orders early for Jan. delivery.

## VIOLETS

PRINCE OF WALES and GOVERNOR HERRICK

Good strong plants out 2½ in. pots, \$2.00 a Hundred.

**HEISS—Florist**

112 So. Main Street, DAYTON, OHIO

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

# THREE FOR ONE THAT DO NOT BLOOM TRUE

## Our Guarantee on PEONY AND IRIS ROOTS

For September Delivery

Most Profitable Sorts

Prices Right

Buy while List is Complete

**PETERSON NURSERY,** WM. A. PETERSON, Prop.  
Lincoln and Peterson Aves., **Chicago.**

## ROSES

GRAFTED KILLARNEY, 3½ inch, \$12.00 per 100; \$100.00 per 1000.

BRIDES and MAIDS, 3 inch, own roots, propagated from grafted stock. Strong plants. \$4.00 per 100; \$35 per 1000.

WELLESLEY and THE de WATTEVILLE, 4 inch, \$5.00 per 100.

### CHRYSANTHEMUMS

Touset, Claude Dean, Balfour, Pink Ivory, Oct. Frost, Priguehard: 2½ inch pots, \$3.00 per 100. Strong plants, not pot bound.

S.J. REUTER & SON, nc., Westerly, R.I.

## ROSES

Strong, Clean Stock. Grafted, Killarney, Richmond, Brides and Maids. \$12.00 per 100, \$110.00 per 1000. Own Roots, Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond. \$6.00 per 100, \$55 per 1000. All from 3½ in. pots. P. R. QUINLAN, Syracuse, N. Y.

Hardy Rhododendrons, Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our **HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St. Weehawken Heights P. O. No. 1, Hoboken, N. J.

## ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## ROSES

Surplus Stock, from 3½ In Pots, RICHMOND, \$5.50 per 100

Brides, Bridesmaids, Chateau, G. Gate and Ivory, \$4.50 per 100. JAS. J. CURRAN, Salem Conservatories SALEM, VA.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

## PALMS Home Grown.

### KENTIA BELMOREANA

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in.	\$1.00	\$12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in.	1.25	15.00
6-in. pot, 6 to 7 leaves, 26 to 28 in.	1.50	18.00
6-in. pot, 6 to 7 leaves, 30 to 36 in.	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in.		
heavy .....	2.50	30.00

### COCOS WEDDELIANA

2½ in. pot, 8 to 10 in. high .....	10 cents each
2½ in. pot, 10 to 12 in. high .....	15 cents each

A FULL LINE OF

### KENTIAS

(All Sizes) READY IN JULY

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT, - - - ENGLAND

## HARDY NORTHERN GROWN NURSERY STOCK

At Reasonable Prices

FRUIT AND ORNAMENTAL TREES, SHRUBS, VINES, ROSES AND HERBACEOUS PERENNIALS IN GREAT VARIETY

Catalogue and Price List for the asking

BAY STATE NURSERIES,

NORTH ABINGTON, MASS.

### The Roses that Win

MRS. POTTER PALMER, CARDINAL American Beauty and Other Standard Varieties. Rooted from Our Famous Stock. Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.

### EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000. 3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

AMERICAN NURSERY CO., COMBIN-  
ING

FRED'K W. KELSEY, New York City  
F. & F. NURSERIES, Springfield, N. J.  
BLOODGOOD NURSERIES, Flushing, L.I.  
N J & L I. NURSERIES

We can supply your every need. Write for prices  
Sales Department

150 BROADWAY, - NEW YORK

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove  
PA.

In writing to Advertisers kindly mention Horticulture

## Notes from the Arnold Arboretum

One of the most beautiful shrubs now in bloom is the Prairie Rose, *Rosa setigera*, the handsomest of our native Roses when covered with clusters of large pink flowers. In its natural state it is usually found climbing over bushes and attains up to 15 feet in height, while in cultivation it may be trained to cover walls or fences or it may be planted on slopes and banks which it will soon cover with its long arching and trailing branches. It blooms later and more profusely than other native Roses and is also to be recommended for its clean foliage turning in autumn to orange and scarlet.

Another handsome native shrub now in flower is *Ceanothus americanus* with panicles of white flowers, but handsomer is *C. hybridus flore pleno* with light pink flowers. There are also other hybrids of *C. americanus* with flowers in different shades of pink and blue, but most of them are not hardy in the neighborhood of Boston.

A very showy shrub is now *Hydrangea arborescens* var. *grandiflora* with its large heads of pure white flowers; it is certainly one of the best novelties of late years and a welcome substitute for the tender Japanese *H. hortensis*. At its best development it is round bush from four to six feet in height or even higher, the long branches weighed down by the large white flower heads. The creamy white flower clusters of the parent plant, *H. arborescens*, are far less showy as are those of the very similar *H. cinerea* and *H. radiata*. Also *H. paniculata* var. *praecox*, which flowers several weeks earlier than the common form, is now beginning to bloom. *Hydrangea Bretschneideri* is out of bloom some time since, but the sterile flowers of its clusters which are very similar to those of *Viburnum Opulus* are still on the plant though somewhat discolored. It is to be recommended as the earliest of the Hydrangeas and is perfectly hardy.

A very graceful shrub is *Buddleia variabilis* with its branches topped by slender racemes of lilac flowers. As its name implies it is very variable and as the best of its forms the variety *Veitchiana* is to be named which has longer panicles of larger flowers of a deeper color with bright yellow throat. Though it is not perfectly hardy, it pushes forth young shoots freely if killed to the ground and usually flowers again in the same year.

Besides the summer-blooming Spireas mentioned in the last issue *Spiraea Margaritae* must be mentioned as one of the best and most graceful of the flat-clustered kinds; it is a rather tall form with large clusters of bright pink flowers and of less stiff habit than most of the other allied Spireas. Of the kinds with flowers in panicles several forms with broad panicles are now in bloom, as *Spiraea Nobleana*, *S. pachystachys* and *S. syringiflora* with pink flowers and *S. notha* with pinkish white flowers; all these are hybrids between species with flat clusters and those with elongated spikes. Of the latter group the native *S. Douglasii* and *S. Menziesii* and the hybrid *S. Billardii*, all with pink flowers, are beginning to bloom.

The Bladder Senna, *Colutea arborescens*, bears ornamental flowers and fruit at the same time and is now very attractive with its yellow flowers and large bladder-like purplish green pods which will both continue to appear until September; *C. media* is similar but has orange yellow or brownish red flowers. Of other yellow flowered Leguminous shrubs not yet noted may be mentioned here *Cytisus capitatus*, a low shrub with upright stems topped by dense heads of rather large flowers and *C. nigricans* with the flowers in slender elongated racemes; these shrubs like most *Cytisus* are well suited for sandy or rocky soil and sunny situations. Another very handsome Leguminous shrub is *Indigofera decora* var. *alba*, a low suffrutescent or nearly herbaceous plant with handsome bright green foliage and white flowers in axillary racemes.

Some of the Cherries are now beginning to ripen their fruits; *Prunus pennsylvanica* is very attractive with its small but numerous bright red fruits along its slender branches and also the Sweet and the Sour Cherries, *P. avium* and *P. Cerasus*, are now beautiful with their lustrous red fruits glistening between the foliage; though usually classed as fruit trees, they deserve also a place for their flowers as well as for their fruits in ornamental plantations. Among the most beautiful is, however, the shrubby Japanese *P. tomentosa* which has now its spreading branches densely studded with almost sessile bright red glossy fruits; it is one of the earliest to bloom, but is hardly so beautiful in flower as it is in its present fruiting state.

Alfred Rehder.

## Rhododendrons at Regents Park

Beneath an enormous tent in the Gardens of the Royal Botanic Society at Regents Park, London, there is at the moment of writing a magnificent display of rhododendrons staged by the well-known firm of American plant specialists, Messrs. J. Waterer and Sons of Bagshot. The grand plan is at once effective and artistic and the plants are tastefully arranged. Around the outer edge of the tent there is a long border of good width filled with the plants while in the middle there is a series of shaped beds, with wide paths intervening, also filled with plants in the pink of perfection. The whole show is a brilliant mass of color visible from almost every point and in the aggregate there are about two thousand plants many of which are of great size. About two hundred varieties are included in the collection, the finest of which are probably Pink Pearl, Gomer Waterer, Lady Clementine Welsh, Mrs. Tritton, Fred Waterer, Kate Waterer and Michael Waterer.

But apart from these there are so many other striking and effective varieties that it would be extremely difficult for the uninitiated to make a selection—the lovely shades of white, rose, pink, crimson, etc., being most dazzling in the masses in which they are presented to the public view. A few may be mentioned: Album Elegans, a fine white; Alexr. Adie, bright rosy scarlet, very fine flower; Blandyanum, rosy crimson; Butlerianum, white tinged with pink; B. W. Elliott, clear rose, dark spots; Chinoides, creamy white; Concessum, light centre lined rose; Countess of Tankerville, clear rose; Cynthia, rosy crimson; Delicatissimum, clear white tinted pink; Duchess of Bedford, crimson, light centre; Everestianum, rosy lilac; Francis B. Hayes, white with black spots; Fred Waterer, intense crimson; Gomer Waterer, white, slightly blushed, very large flowers; H. W. Sargeant, crimson; James Mason, light centre with bright scarlet edging; John Waterer, deep carmine, large; Kate Waterer, clear rosy crimson, blotched yellow; Loquendum, scarlet with white centre; Mme. Carvalho, white; Minnie, bluish white; Mrs. Holford, salmon crimson; Mr. John Penn, salmon pink; Pink Pearl, flesh colored pink; Queen, white; Sappho, white with black spots; Strategist, soft pink, and many more.

Chasman Payne

# HORTICULTURE

VOL. VIII

JULY 11, 1908

NO. 2

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page ..... \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Circular Curvilinear U-Bar Palm House	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder .....	33
RHODODENDRONS AT REGENTS PARK—C. Harman Payne.....	33
PRIMULA KEWENSIS—H. J. Moore—Illustration...	35
CONSERVATORIES OF H. J. HEINZ.....	35
THE MOST USEFUL OF THE CATTLEYS—George E. McClure.....	36
WINTER FLOWERING SWEET PEAS—William Sim	37
CHRYSANTHEMUMS .....	38
NEWS OF THE CLUBS AND SOCIETIES	
American Rose Society—Florists' Club of Philadelphia—Florists' Club of Washington—American Carnation Society—New York Florists' Club, Illustration .....	39
A VISIT TO THE PEONY FARM OF J. F. ROSEFIELD—C. S. Harrison.....	40
THE CULTIVATION OF GLADIOLI—Arthur Cowee	40
OBITUARY—Edward A. Hitchings—James Cole, Sr.—Robert Boeck—The Late George T. Sambrook, Portrait .....	42
OUTDOOR GROWING OF LILY OF THE VALLEY—W. H. Siebrecht.....	43
TRAINING THE CATALPA.....	43
SEED TRADE.....	45
OF INTEREST TO RETAIL FLORISTS—Frank Danzer .....	46
Steamer Departures.....	46
New Retail Flower Store.....	47
FLOWER MARKET REPORTS	
Boston, Buffalo, Chicago, Indianapolis, New York, Philadelphia .....	49
DURING RECESS.....	49
Philadelphia Recreations—Picnics in Prospect...	49
MISCELLANEOUS	
Business Changes.....	42
Greenhouses Building or Contemplated.....	44
List of Patents.....	44
News Notes.....	47
Incorporated .....	47
Personal .....	47
In and About Detroit.....	47

Cincinnati wants the S. A. F. for  
 Cincinnati for 1909 the twenty-fifth anniversary, 1909.

The Cincinnati Florists' Society will extend the invitation at Niagara Falls. HORTICULTURE heartily seconds the motion. It is a most appropriate move. Much of the strength and enthusiasm of the early years of the Society of American Florists

was directly due to the inspiration of that first meeting at Cincinnati and the unostentatious hospitality of the Cincinnati florists which was the more notable because they had no predecessors to set the pace for them. By all means let us go to Cincinnati in 1909 and make the event as glorious in history as was that memorable occasion a quarter of a century ago.

By the time these lines come to the eyes of our readers the annual Convention of the Society of American Florists and Ornamental Horticulturists will be but five weeks distant. In every community of any horticultural importance there is a certain number who can be depended upon to attend an S. A. F. Convention and most of these would consider it a grievous privation from a recreative, social or business standpoint if obliged to forego the privilege of being present. But there are others—and it is to be regretted that in some cases these are in the majority—who have not been in the habit of going to these annual gatherings of the craft and have thus far missed the helpful and inspiring influences which their neighbors have learned to prize so highly and it is to these that we would now appeal, with the hope that they will take the step this year, knowing that they will afterwards feel grateful to us for whatever part we may have in inducing them to go. We have never known anyone to complain of the time and expense consequent upon attending an S. A. F. Convention or to express regret for having linked his name to the list of progressive, well-informed men who make up the greater part of the membership of this organization.

What the  
 Convention offers

Probably never before in the history of any art have the elements of business and pleasure been so happily provided in elastic proportion to fill the requirements of every taste and preference for old and young, sportive or sedate, as in the typical S. A. F. Convention. In the present instance there is no need to more than allude to the manifold majestic and romantic attractions which the meeting place presents. The national Society is particularly fortunate in the selection of Niagara Falls for the Convention of 1908, which, in itself, assures a large attendance. But there are other and stronger reasons than the diversions offered by the world-famous resort which should draw the commercial horticulturist to the Niagara Convention. It is generally accepted that the coming season will see the expected great business revival well under way. The key note of horticulture's part in it will be struck at this meeting. Niagara Falls is very central and the Convention will draw strength and enthusiasm from many sources. A vast trade exhibition is assured at a point so accessibly located and here especially will the business man come in contact with every element representing modern material advancement in all departments of his art and typifying the present-day standards of horticulture. That anyone can remain indifferent to all this and still hope to excel or even hold his own in the horticultural business world seems simply preposterous. Niagara Falls may be seen at any time, but this Convention, considering every circumstance, presents unique opportunities the value of which cannot be over-estimated.



## Primula Kewensis



This beautiful hybrid *Primula* which originated as a cross between *P. floribunda* and *P. verticillata* (the Abyssinian Primrose) is certainly worthy of cultivation and deserving of a place in any collection, even if only from the fact that it possesses yellow flowers, which color is unusual amongst winter flowering *Primulas*.

However, the color of the flowers is not the only charm which the plant possesses; its very habit attracts attention as it stands out erect from amongst a group of other plants and even when isolated it still forms a very beautiful decorative greenhouse plant, as the accompanying photograph will show. It is of perennial character, but does best when grown as an annual.

*Primula Kewensis* is easy of cultivation, certainly as easy as *P. obconica*, and this fact alone ought to make it very popular, which in some gardens it undoubtedly is. Seeds may be sown at almost any time of the year, but if two sowings are made, one in May or June and the second in September or October, these will furnish plants in bloom from Christmas until the end of the following June.

In the greenhouses of the Department of Horticulture at Cornell University are plants which have been in bloom since the middle of March and at the time of writing (June 11) they are still at their best. The seeds were sown about the beginning of last October.

### CULTURE

The method of cultivation is as follows: The seeds should be sown in clean well drained pots or pans (5 inches is a good size), filled with a compost of one part

each of loam, leaf soil, and silver sand passed through a 1-4 in. sieve, and a layer of very fine soil placed on top. The seeds which are very small should be covered lightly with fine soil, a fine sieve being used for this purpose. When the seeds are sown the pans should be soaked in water which will rise by capillary action, this being much better practice where small seeds are concerned, than watering overhead.

It is best to cover the seed pans with a piece of glass and to shade from strong light until germination takes place. When the seedlings are large enough to handle they should be pricked out into larger pans; thence subsequently transferred singly into thumb pots and potted on as requisite into larger pots, until the six inch size is reached, which size is large enough for their requirements, using one part each of loam, leaf soil, and sand during each potting operation, and potting moderately firm.

During the growing period the plants should be placed on shelves 18 inches or so from the roof glass, and the temperature of the house should range if possible, between 50 and 75 degrees F., never allowing a fall or rise beyond these extremes. Care should be taken in watering, as *Primulas* resent stagnant soil moisture.

### FERTILIZING

After the final potting, when the pots are filled with roots an application of Guano or Clay's Fertilizer, an ounce to the gallon of water, twice weekly, will greatly benefit the plants, and the effect will be noticed in the resultant vigor, and deep green color of the foliage.

The plants should be shaded at all times from bright sunlight, and protected from draughts, whilst an occasional spraying with the syringe during dry weather will aid them greatly, but during dull weather spraying must be discontinued or damping of the foliage will result.

If the cultivator pays attention to the few details mentioned above there will be no doubt as to his ultimate success in the cultivation of this most beautiful winter flowering plant.

*H. J. Moore*

## Conservatories of H. J. Heinz, Pittsburg, Pa.

Our frontispiece this week shows the central portion of the ornamental range of U-Bar greenhouses on Mr. H. J. Heinz' beautiful grounds at Pittsburg, Pa.

The circular curvilinear palm house is imposing in its effect, and has an unusual ornamental simplicity.

The passages connecting the palm house to the wings on either side, seem to further emphasize this feature, while carrying the wings far enough away from the palm house to obviate its casting any shade on them, and making excellent fern or propagating houses. Such an arrangement is admirable planning, and although increasing the cost, it is warranted by the additional returns possible.



## THE MOST USEFUL OF THE CATTLEYAS.

A paper read before the Buffalo Florists' Club by George E. McClure, Jr. The first installment of this paper was published in our issue of May 30.

### Potting.

As a rule cattleyas should be repotted every two years, and topdressed every alternate year. The best material for this purpose is orchid peat, osmunda fibre (the roots of the royal fern). It is well to insist on getting young peat from your dealer. It should be of a brownish color. When the peat is old it is very wiry and black and is not suitable. No other potting material is needed for cattleyas. The majority of orchid raisers use a mixture of peat and sphagnum moss, but the moss soon decays and causes the roots to rot, especially when the watering is done in a careless manner. Sphagnum may be used with peat when the latter is very old and wiry. Before using the peat, it should be chopped with an axe or hay cutter. It should not be chopped very fine and the fine particles should not be thrown away, but should be mixed with the rough, open parts of the peat.

Although cattleyas are strictly epiphytic in a state of nature, yet, under cultivation, they grow better in pots than on either blocks or in baskets. Baskets are useful and are preferred by some, but the system of mounting cattleyas on blocks or cork bark is very injurious and will ultimately kill the plants. Mount the plants in half pots, or what are known as azalea pots. Make the hole in the bottom at least twice as large as the potter has made it and cover it with one large crock, no more. The old system of using a high pot and filling it up with small crocks, merely furnishes a safe retreat for cockroaches, snails and woodlice, the principal enemies of cattleyas. Set the stems of the plants well above the rim of the pot, and ram the peat firmly around the roots. Test the firmness of the potting by holding the potted plant up by the leaves. It should not disturb the plant.

The potting should take place just before the new growth commences, and while the roots are fairly dry. After the plants have been potted, water should be withheld for several days in order to allow the injured roots to heal. Water sparingly at first.

In topdressing the plants, remove as much of the old peat as possible without injuring the roots, and work a good coating of finely chopped peat over the surface.

### Fertilizers.

Manurial fertilizers for cattleyas should be studiously avoided, especi-

ally when sphagnum moss has been used with the potting material, as it causes too rapid decomposition with the consequent decay of roots. However, with the system here advocated it is well to use what is known as the "Cookson formula," which is as follows: Three oz. Potassium nitrate; 2 oz. Ammonia phosphate, dissolved in three gallons of water. Use one liquid oz. of this solution in every gallon of water applied. If this fertilizer is used once each week during the growing season, the plants will be much benefitted.

### Enemies.

The chief enemies of cattleyas are insects. The cattleya fly is unquestionably the most injurious of these enemies. It is a small insect and deposits its eggs in the young growths of the cattleya plant. As the growths develop the eggs hatch out and the larvae feed on the developing growth, which is soon arrested and stunted. The fly then emerges and proceeds to deposit eggs in other growths. An abnormal swelling of the young growth is the first indication of the larval presence, and the affected growths must be sacrificed. Latent eyes or buds will start, but will not be as strong as the first growths. The judicious use of hydrocyanic acid gas should control this pest. Next to the cattleya fly, the cock-enemy. They may be destroyed by a mixture of corn meal and Paris green placed on the benches, or between the pots. They may also be trapped in wide-mouthed bottles containing a little sweet oil.

Thrips are also very injurious to the young growths of cattleyas. Their presence is made known by the brownish appearance of the young growths. The trained eye may detect their presence before much damage has been done. The discoloration is the after effect of the injury done. To eradicate thrips, spray with Nicotinic acid or some other tobacco extract. A good plan is to spray the heating pipes with a very strong solution of the same.

Red spider is sometimes bothersome, but it can be kept in check by proper syringing. Snails and woodlice are also injurious but can be trapped with hollowed potatoes set between the pots, or with lettuce or cabbage leaves.

If it is possible to do so, it is well to empty the greenhouse each year for a few days, for the purpose of painting, etc. At this time the house may be fumigated with a double strength of hydrocyanic acid gas to kill all insects. (For instructions in the use of this gas, see Bulletin No. 27, Dept. of Entomology.) If the insects are very troublesome, hydrocyanic acid gas may be used in safe quantities while the plants are in the house.

Cattleyas are sometimes injured by what is known as black spot. This is invariably caused by too much shade, over watering, or by syringing too late in the afternoon. The foliage of the plants should be dry before evening. However syringing should be indulged in every bright day to prevent insects from getting a foothold. Give plenty of ventilation whenever possible and there will be little danger from black spot.

## The Best Kinds for a Succession of Bloom.

By a careful selection of species and varieties, a constant succession of bloom may be maintained. The excellent lasting qualities of the cattleya blooms enable one species to remain in bloom until another begins. The first cattleya of the year to bloom is *C. Trianae*, and its varieties. It is a native of the U. S. of Columbia and is pre-eminently the best in the genus. It has many distinct varieties, which range from pure white to rose purple. *C. Trianae* begins to bloom in early January and lasts until March. *C. Schroederiae*, which resembles *C. Trianae* in size of bloom and habit of growth, is sometimes referred to as a variety of *C. Trianae*. It is lighter in color than *Trianae* and blooms a little later. It is also a native of the U. S. of Columbia and is invaluable as it is the only cattleya obtainable in quantity to succeed *C. Trianae* in time of flowering. It blooms from March of flowering.

The next cattleya of importance in the order of their flowering is *C. Mossiae*, a Venezuelan species, which is in its prime from April to May. It is a very prolific bloomer and for this reason does not last long in cultivation, but with ordinary treatment, it will last long enough to amply repay all care and expenditure.

*C. maxima*, a very distinct plant from Ecuador, blooms at various times during the winter months. Its lilac flowers and lip lined with purple are very freely produced. It is of easy culture and should find a place in every collection.

*C. Mendellii* blooms from the end of April to early June and is an excellent orchid, though seldom offered in quantity.

*C. Warneri*, a fine species from South Brazil, blooms during May and June. This species has been called a geographical form of *C. labiata*, as it is almost identical in color and markings. It differs only in times of flowering, as *C. labiata* blooms in the fall.

*C. citrina*, which also blooms during May and June, is a most distinct cattleya. The flowers are lemon yellow and the crest of the lip is white. It has a strong odor of citron, hence the specific name. The whole plant has a pendant habit and can never be raised any other way. Its foliage and pseudo-bulbs are glaucous. It is a native of the high altitudes of Mexico, and it cannot be raised with a high degree of success unless it is given the shelter of a cool house. The price of this interesting orchid is very low and one or two plants can be raised in the coldest part of the cattleya house during the winter and hung under a tree in a moist place during the summer. In this way

it may be kept in health for several years. The fleshy flowers last a long time and one blossom will perfume an entire greenhouse.

During the months of June and July, a number of fine cattleyas bloom. One of the best of these is *C. Warscewiczii*, and its variety *Sanderiana*, commonly called *C. gigas*. It is a native of Venezuela, and produces more flowers to the spike than any other of the large-lipped cattleyas. The flowers are large and beautifully marked. It is easily recognized by the two yellow eyes or blotches at the base of the labellum. This species should have a very decided period of rest in order to produce flowers in quantity.

*C. Hardyana*, one of the most valuable of the cattleyas, also blooms during June and July. It is a natural hybrid between *C. Warscewiczii* *Sanderiana* and *C. Dowiana aurea*, and is of course found in the same localities as the parents, but in limited quantities, and for this reason and its beauty it is highly prized.

Another fine cattleya which blooms during June and July is *C. Dowiana* and its variety *aurea*. The species is from Costa Rica and the variety is from the U. S. of Columbia and usually blooms a little later than the species. The two forms are very much alike. The petals and sepals are nankeen yellow, and the lip is very large, crimson purple and beautifully lined with gold. They are more expensive than most of the cattleyas, but furnish a pleasing break to the prevailing pink and purple shades of the other cattleyas, and may be grown in the coolest part of the East Indian house or possibly in the warmest corner of the cattleya house, as they require a higher temperature than the other cattleyas.

A very fine cattleya of the diphyllous section, from Guatemala, *C. Skinneri*, appears in June and July and sometimes a little earlier. Its purple flowers are produced in great abundance and as the plant is very cheap and beautiful, it is a welcome addition to every collection.

Another cattleya of the two-leaved section blooms during June and July, *C. Schilleriana*. It is a little gem from South Brazil. Its flowers are fleshy and lasting, and are of a dull purple with a little pink in the lip.

*C. Eldorado* is a beautiful Brazilian species and as its name suggests, has considerable yellow in the lip. It blooms during July and August.

One of the cattleyas of the first rank which blooms during August and September is *C. Gaskelliana* and it is from Venezuela. Its petals are narrower than most of the large-flowered cattleyas, but its lip is large and beautiful. It might be called the best summer-flowering cattleya.

During these months, August and September, *C. granulosa* also blooms. It is a Guatemalan species, and is very distinct; its fleshy flowers are characteristic of the two-leaved section to which it belongs. Its lip is very striking, white with small purple papillae. Its sepals and petals are yellowish green and the flowers remain in good condition for over one month.

In the month of October, the well-known *C. Loddigesii* and its variety *Harrisoniana* appear. They are almost alike, belong to the two-leaved class, and are natives of Brazil. Their pink

and white flowers are borne on rather long spikes, and they are among the best of their class.

During the months of October and November, two of the finest cattleyas make their appearance, *C. labiata* and *C. Bowringiana*. These two are found in every collection. *C. labiata* is the type of the labiate or large-lipped group and *C. Bowringiana* might be taken as the type of the two-leaved group, as it is commoner than any other of the small-flowered species.

*C. labiata*, one of the best of the cattleyas, begins to bloom in October and continues during November. It is of easy culture and can be obtained in large quantities at very low prices. It is a native of Brazil, and is sometimes sold under the name of *C. labiata vera* to distinguish it from others of the labiate class of which it is the type.

*C. Bowringiana* also blooms during October and November. It is a native of Honduras and much resembles the Guatemalan species, *C. Skinneri*, already mentioned. Its flowers are rose purple with a lighter throat, and many are produced on each spike. It is perhaps the best of the two-leaved class.

The cattleya house, during the last month of the year is made bright by one of the most beautiful of all cattleyas, *C. Percivalliana*. Its flowers are a little smaller than the other species of the labiate section, but its extremely beautiful lip more than makes up for this slight disadvantage.

Many other fine cattleyas might be mentioned "among the best" but a collection of the above mentioned would give a comprehensive idea of the whole genus, and abundance of satisfaction. If greater variety is desired, forms of the above might be added ad infinitum.

#### How to Purchase.

The best way to purchase cattleyas, if for a large collection, is by the case, just imported. In this way many fine varieties are secured, including the white or albino forms. When only a few plants are wanted, it is best to buy some unestablished plants from reputable dealers, and in this way there is a chance of getting some exceptional varieties. After the plants have once flowered with the dealer, he is able to select the finest forms to sell at high prices to those who are eager to secure the best that the market can afford, and for this reason the unestablished plants are most desirable. The heavy shipments of cattleyas from the tropics, during the past few years and the limitation of the natural supply, will soon cause the prices to advance and as the demand for cattleyas is increasing greatly each year we may expect the price to advance at almost any time. However, there need be no very great concern for the cattleya supply of the future. Cattleyas are being raised from seed extensively in Europe and in this country. The high prices now obtained for hybrids will soon be a thing of the past. They will soon be within the reach of those with a moderate purse. The chief advantage in having a collection of hybrids is that they have no decided period of rest. They bloom more than once each year, and for this reason are cultivated with greater ease.

#### WINTER-FLOWERING SWEET PEAS.

Read before the Gardeners and Florists Club of Boston by Wm. S. The second installment of this paper was published in our issue of May 9.

#### Cultivation.

To grow the sweet pea to perfection under glass you must have a greenhouse suitable for the purpose. It should be at least eight feet high on the sides, four and a half feet being glass. Mine are seven feet and I find the side rows strike the glass when the vines are about half grown, thereby giving me half a crop. My centre rows are about right, being twelve to fifteen feet high. The higher they grow the more and better flowers you get. We plant the rows five feet apart and in a line with the supports of the greenhouse. The uprights are twelve feet apart, so in supporting we run twine from one support to the other on each side of the row. This I have found the best method of supporting. I have tried wire netting. This is only a nuisance as the vines do not cling to the wire, which causes just as much tying as if it were not there. It also causes frequent injury to the vines as a sweet pea stretches many times more than a foot in developing and if held back by anything in growing the growth looks like a spiral spring, and the picking of the blooms is made very difficult. The side rows are planted five feet from the sides of the house, and all the heating pipes are on the sides. Sweet peas are very susceptible to red spider, and as they will not stand syringing, the further you can afford economically to have them from the pipes the better.

We have not changed the soil in the houses since they were built four or five years ago, and we find the vines are getting more vigorous each year. In the same soil a crop of tomatoes and violets are harvested each year. The soil was originally eighteen inches deep, but by the application of manure each year the depth is now two and a half feet. The tomato crop is on the wane by middle of August. When these are cleaned out we trench the house over as deep as the soil, bringing the bottom soil to the surface. In the bottom of the trench we put three inches of decomposed cow manure, one foot from the surface we put on three inches more of the same material. The house is allowed to remain in this state until nearly time for sowing the seed. The soil is then usually very dry so we dampen it down enough to cling together while the house gets another forking over. This time we go down one foot and mix the top layer of manure with the surface soil. We then make the surface as nearly level as possible and thoroughly water the soil, giving enough to penetrate the entire mass with a strong dose of liquid horse manure. In about three days, depending on the weather, the house will be ready to plant. We sow the seeds about one and a half inches apart. We make the drills one inch deep and do not allow more than one inch of soil over them. We do not pull any soil towards the root as is commonly recommended, but let it remain as is. If more soil is pulled around

the base of the plant stem rot is sure to follow. We do not water the plants again until they are up about three inches. Of course, you can grow them on a bench with a few inches of soil but the results will be just what you make them, a weak growth and a crop of short stemmed flowers. These soon play out as there is not enough soil or food for the vines to live on. They may be made to flower any time you wish by increasing the temperature, but the best results are obtained by growing at a temperature just above freezing until the buds can be felt in the crowns of the plants. Then the temperature should be gradually increased, say one degree a night, until you reach 18 degrees. This, I think, is about right although in mid winter I think they move a little better at 50. As the days lengthen a little cooler temperature seems to suit better. A rise of ten to fifteen degrees should be given during the day in sunny weather. In spells of cloudy weather fifty-five is high enough during the day. If a high temperature is given in dark weather the growth gets soft and wilts when the sun comes out bright again. While the plants are young they should be regularly fumigated so that there will not be a sign of lice when they commence to flower. If they are clean at this stage it will not be necessary to fumigate while they are in bloom. It is impossible to sell sweet peas that smell of tobacco. Tobacco also bleaches the flowers of some varieties, and makes them look like some other variety. We sometimes hear of some one having trouble by the buds dropping. This is more the case in midwinter than at any other time and is caused by too cool a temperature or a sudden chill or too much water. Should a house be allowed to go near the freezing point in midwinter the wholesale dropping of buds will be sure to follow. Diseases have not shown themselves with us. Sometimes we see a plant that looks stunted, with yellow streaks in the foliage. This we have attributed to too rich soil or the roots striking manure that was not thoroughly decomposed. They take an abundance of water in the flowering season but require very little in the early stages of growth. They should be provided with proper drainage so that if too much water is given it will settle into the subsoil, and no bad result will follow.

#### Time of Flowering.

I find in experimenting with the newer varieties of peas that some come into bloom ahead of the others. Take reselected Earliest of All and Watchung for instance. These two will come into flower fully two weeks ahead of the other varieties, and for early purposes they are a fine pair to grow together. They are both black-seeded. They will flower in October if sown in August and will be in full crop for Thanksgiving. For a later crop I prefer Christmas Pink and Florence Denzer. These are the peers among sweet peas at the present time. The Denzer is two weeks later than Christmas Pink and is white seeded. It should be sown in sand and transplanted into flowering quarters at the time you sow the seed of Christmas Pink. They will then commence to flower together. There is now quite a

demand for some of the fancy varieties. These sell best in the spring, but will soon get into demand all winter. They are something new and the people are a little skeptical about buying them. They will, however, find a ready sale once there is enough of them around to attract attention. Among the new varieties I think Mrs. Charles Totty the best. It is the same shade as the Countess of Radnor, and is a very strong grower, having two-foot stems. W. W. Smalley comes next. This is a shade of satin pink. It is a fine seller but a trifle short in stem. Mrs. Alexander Wallace is a good one. The color is dark lavender and sells well. Mrs. Wm. Sim sells well; the color is salmon pink; it produces very long stems, many being two feet in length. The improved Mrs. F. Dolansky I have great hopes in. It is the color of an Enchantress carnation. A limited quantity of Le Marquis and Christmas Captain can be sold. Both are purple shades. The same may be said of Blue Bird, also Mrs. Eddy Wild, deep crimson, but the flowers are small in size and the stems rather short. It is a strong grower.

#### A Warning.

To those who are contemplating growing sweet peas the one important thing is to have the right seed. You may get your house in the best possible condition, yet without the right seed failure is sure to follow. Many seedsmen are selling seed of the early varieties, which is not the early varieties. Very few seedsmen know that there is any difference between the two, and substitute with the late varieties. Not a winter passes but what some poor grower gets hit hard in this way. He sows his seeds. They start fine. They grow well, but he gets no flowers. He is paying high for his experience. I will tell you an experience of my own to show what harm can be done in not knowing what you are planting. A few years ago I planted a house with Earliest of All. I bought my seed from a reputable seed house. This turned out to be the best house of peas I had ever sown. The seed was all true and to be sure of seed for the following year I bought again from this same firm with the assurance that it was the same as I had bought the preceding August. My intentions were to build another greenhouse and raise two crops, one for early, the other for late cutting. The house was built and put into the best possible condition. The seed was sown in August and all came up in fine shape. They grew lovely, but somehow or other they did not look right to me. The vines looked too heavy and strong. I, however, did not like to disturb them and I let them grow. The other house was planted the middle of November after a crop of mid-season chrysanthemums. I procured the seed for this house from another source. The beginning of March they commenced to bloom and by the first of April \$2000 worth of peas had been sold from this house. The other house did not commence to flower till beginning of April. The vines had reached the glass and were pulled down several times. It was then deemed advisable to clear the house out and consign the vines to the rub-

bish heap. This was done after keeping the house which was 30x360 at a temperature of 50 all winter long. I was out by this deal \$6000, this being based on the product sold from a house of similar size the year before. I mention this to show the seedsmen what a great injury can be done by selling something that is not true to name, and to the grower to be doubly sure before he risks too much space in something he is in doubt about. The safest way is to procure your seed in advance and test it yourself. Sow some of it, and if the plants grow strong and stocky and bush around the base of the plant you have the wrong sort for winter flowering, but if the plant runs up to a single stem and does not bush you have the right kind. The early types very seldom break near the ground. The one shoot forms practically the whole plant. Some side shoots are made but these never attain the strength of the main shoot.

#### CHRYSANTHEMUMS.

##### Bush Plants for Commercial Uses.

Few varieties grown for cut flowers are suitable for bush chrysanthemums. Through the courtesy of Mr. Frank Oechslin, of Chicago, who grows annually about four thousand bush plants for the Chicago market, we are able to give a list of the varieties he has found most suitable for bush plants for commercial purposes. Mr. Oechslin is well known to be one of Chicago's largest and most successful growers. He now has 56,000 sq. ft. of glass and from 8,000 to 10,000 ft. of frames entirely devoted to plants.

Mr. Oechslin finds that 2-1-2 in. pot plants, if shifted along now and kept pinched back, will make nice plants to sell in 6 in. pots, and 4-1-2 in. pot plants now will make nice 7 and 8 in. pot plants in blooming time. Pinching back of most varieties should be discontinued after August 1. The large flowering sorts should be disbudded to one bud to each branch. The Pom-pom, Anemone and Singles will not need to be disbudded. Good soil should always be used in potting and liquid manure given as soon as buds appear, and be discontinued as soon as buds show color. Below is the list of varieties Mr. Oechslin grows this year:

Large Flowering: Estelle, white, early; Early Snow, white, early; May Foster, white, mid-season; L. Canning, white, late; J. K. Shaw, pink, early; Glory of Pacific, pink, early; Mrs. Perrin, pink, early; Marian Newell, pink, mid-season; Minnie Bailey, pink, mid-season; Amorita, pink, late; October Sunshine, yellow, early; Robert Halliday, yellow, early; Golden Age, mid-season; Walter Molasch, yellow, mid-season; W. H. Lincoln, yellow, very late; Elva, white, early; Nio, white, mid-season; Diana, white, mid-season; Alena, light pink, early; Utan, magenta tipped white, mid-season; Briola, light pink, mid-season; Zenobia, yellow, early; Savannah, yellow, early; Emo, yellow, mid-season; Klondike, yellow, mid-season; Baby Smallestii, yellow, late.

Anemone flowered: Garza, white tipped yellow; Satisfaction, amber and yellow; Enterprise, rose and yellow.

Single: Argentea, white; Ladysmith, pink.

## NEWS OF THE CLUBS AND SOCIETIES.

### AMERICAN ROSE SOCIETY. To Be Strong Financially and a Powerful Factor in Stimulating Natural Beauty.

The motion and resolution adopted at Chicago to fix the time for the official year on July 1st instead of January 1st, places at the head as president, Mr. August F. Poeblmann of Morton Grove, Ill., and as vice-president, Mr. William Kasting of Buffalo, N. Y., where the next annual meeting is to be held. The retiring president, Mr. Robert Simpson of Clifton, N. J., has held office two terms, Mr. Frank R. Pierson and Mr. Philip Breitmeyer being respectively the vice-presidents. The treasurer, Mr. Harry O. May of Summit, N. J., and the secretary, Mr. Benj. Hammond of Fishkill, N. Y., were re-elected. The Executive Committee is as follows: Peter Bisset, Washington, D. C.; Patrick Welch, Boston, Mass.; E. G. Hill, Richmond, Ind.; Adolph Farenwald, Roslyn, Pa.; J. J. Curran, Salem, Pa.; P. J. Lynch, West Grove, Pa.; Philip Breitmeyer, Detroit, Mich.

During President Simpson's term it has been the determined effort to put the American Rose Society on a solid financial foundation; the invested permanent fund has reached \$2950.00, with another \$50.00 in sight. For the past two years the secretary has waived compensation. The annual shows cost considerable outlay and on June 10th a meeting was held at Bronx Park, when the treasurer's accounts were audited; this was done so as to bring up to date all and every outstanding liability. Heretofore, when

a new set of officers has come in there has been a series of bills to be paid. In order to place the American Rose Society clear and above board at the beginning of its new financial year, J. A. Valentine of Denver, Colo., placed in the hands of the secretary the sum of \$20.00. There was an offer made practically to wipe out the whole overlapping indebtedness, and the result as advised in two executive meetings was to write a letter to a number of rose cultivators requesting a contribution of \$10.00. These letters were sent out the last of June and responses have been coming, so that without being a burden or tax on any few members, the American Rose Society proposes to start out in its westward movement clear handed. I am assured that the exhibition of the past spring at the Art Institute in Chicago was the richest exhibit of the rose ever shown in America. The Spring Exhibition should be made a great public show for the people of Buffalo. The next meeting as a matter of general convenience will be held at Niagara Falls during the S. A. F. Convention, when the formal transfer of office will take place from Mr. Simpson to President August F. Poeblmann. The Bulletin of 1908 is being prepared. There have come requests for this Bulletin from societies and libraries far and wide. The show in June in Bronx Park had from John H. Troy of New Rochelle a variety of choice flowers, W. A. Manda of South Orange, N. J., and Frank R. Pierson put up a whole side table of peonies. One word from the dictionary describes them properly, that is, Magnificent. Crimson Ramblers this year are in evidence to an extent never before witnessed, in all sorts of places from the mansion to the humblest cottage, from railroad station to the back yards of small tenements, one of the glories of nature's beauties.

BENJAMIN HAMMOND, Sec'y.  
Fishkill-on-Hudson, N. Y., July 4, '08.

### FLORISTS' CLUB OF PHILADELPHIA.

The sweltering weather kept many away from the July meeting of this club, held on the 7th inst. Nevertheless, a fairly good crowd was in attendance to enjoy the lecture on gladioli by Arthur Cowee of Berlin, N. Y. This was illustrated by 108 stereopticon views and proved very enjoyable and instructive. The color work in the pictures was the most artistic and beautiful ever seen here. Convention matters were discussed and committees were appointed on transportation (Jno. Westcott, chairman) and hotels (S. S. Skidelsky, chairman). It is said the rate from New York is \$11.67 for 100 or more, and that \$14.80 is the Philadelphia figure, but no doubt this latter can be improved on. Among out-of-town visitors were E. A. Seidenwiz, of Baltimore; Messrs. Lynch and Pyle, of West Grove, and Wm. Paul Binder, of Pittsburg.

### FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of the Florists' Club of Washington will be held at the greenhouses of the president at Anacostia. A personal letter from him to each member accompanied the secretary's notice requesting them to be present. Many matters of importance will come up, viz., the chrysanthemum show, the convention at Niagara, and the annual outing. A full report will follow in next week's issue.

### AMERICAN CARNATION SOCIETY. Carnation Registered.

By: Bassett & Washburn, Hinsdale, Ill. "Orland P. Bassett." Parentage, Crane and Prosperity, color deep red; size of flower 3-4 to 3-5 inches; calyx long and never splits; stems strong, stiff and long. Very strong grower, every shoot producing a flower.

ALBERT M. HERR.

### NEW YORK FLORISTS' CLUB.



OUTING AT WITZEL'S POINT GROVE.

# A VISIT TO THE PEONY FARM OF J. F. ROSENFELD, WEST POINT, NEBRASKA.

This gentleman has probably the largest and finest collection of peonies in America, if not in the world. He is a peony specialist and knows how to keep them strong and healthy. He has deep, rich, well drained sandy loam. The ground is sloping to carry off the rain, for it will not do for peonies to have wet feet. He has found it will not do to plant peonies after peonies until the ground has had rest, nor will it do to manure heavily. After clearing the land, he sows a crop of oats, and as I saw them, there was a tremendous growth. This he plows under in June and lets it rot, then in September he plows very deep and the ground is ready for peonies again. He often puts some coarse manure on the fall-planted ones. He thinks there is no harm in this as the manure does not come in contact with the roots and the rains feed them liquid manure which is safe.

He has been raising seedling peonies for about twenty years. Out of thousands he selects the very best. The plot is carefully laid out and each plant is numbered, a record is kept of their blooming qualities, those that produce flowers annually are noted and the intermittent ones rejected. Perhaps, under this close scrutiny, nine-tenths will be rejected from the first careful selection. The five points of excellence must be met: 1st, robustness of the plant and readiness to propagate; 2d, annual bloomer regardless of frosts; 3d, fragrance; 4th, large, full, symmetrical flower; 5th, good keeping qualities.

As I looked over his charts, I was impressed with his patience and conscientious regard for his customers and for the future of his creations. It is very important to have a peony that will multiply readily. J. Descaine is a beautiful flower, but it is very brittle in the root and with me it takes four years to double itself, while Baroness Schroeder will easily double every year and I have cut four good roots from one in a single season. So this is cheaper at \$5 than the other at twenty-five cents. A peony that is an intermittent bloomer, though of equal beauty, is not worth half price. I have had some of Kelway's best and have had to wait five years for a blossom. That don't pay. Years ago, Mr. Rosenfield found a late pink with flowers of exquisite beauty. I bought half of it and mine never bloomed. His were such intermittent bloomers they have been utterly discarded. One trouble with European propagators is they put their favorites on the market too soon. It is a fact that young peonies are inclined to wobble till they are established. Many of Terry's seedlings vary widely in color from the descriptions first given. Among my seedlings one year I found one of marvelous beauty—one of the most charming variegated flowers I ever saw. A press representative saw it and said: "Now, let me name this." He called it Exquisite. I planted a strong stake beside it with the name on it. Next year the stake was there and the same plant but no Exquisite. That identical plant had the impudence to throw up a tall stem with a worthless single flower. I wait-

ed for years for Exquisite to come back but she never came. Another time I found one of the most magnificent flowers in the whole collection. It was an immense compact bloom of violaceous, vivid, deep red. It was a splendor. I marked it. The next year it had an inferior bloom and for five years it has not bloomed at all. Now, if on the first blooming I had commenced propagating, what a disappointment my customers would have! I am convinced that right here is where the trouble lies with our French and English growers. They rush things on the market before they have been fully tested.

Mr. Rosenfield is so conservative and exacting that he has selected only eight out of thousands, in twenty years. His Golden Harvest and Floral Treasure are well known. They went immediately to the front. Delicatissima and Floral Treasure are much alike. The latter may be a seedling of the former but it was born years after. Mr. Rosenfield never had a Delicatissima on his place till long after Floral Treasure was born. Again, Golden Harvest and Jeanne d'Arc resemble each other when there are forty years difference in their birth. They do look alike, but they are not the same. A row of Jeanne d'Arc planted last fall did not produce a flower. A row of Golden Harvest of much smaller roots, planted the same time, was covered with fine blooms and they always bloom. A good many years ago, Mr. Rosenfield secured some of the choicest seed from an eastern grower and it is probable that among them were seeds of those two varieties which nearly reproduced themselves, and though they look alike it is only a family resemblance. They are not the same as you will find by planting side by side and watching them year by year. Golden Harvest is the most continuous bloomer under adverse circumstances that ever was born. One year, for forty-eight hours, when nearly ready to bloom, it was wrapped up with a heavy coat of sleet and it seemed as if the whole plant would die. When it thawed out, it looked sick, pale and wilted, and I said, "No blooms this year." But not many days after, the whole plant was covered with a mantle of exquisite beauty. Now, a plant like that is worth having. I give a description of six new candidates for popular favor.

Karl Rosenfield.—This proved to be the grandest among seven hundred varieties. Large flowers are often coarse, but this is a glory—a ball of glistening velvety crimson. Most of this color are tardy or shy bloomers. This blooms on the least provocation the first year, and all the years. It is quite early and very fragrant, scoring the five points of excellence. Ak-sar-ben.—Nebraska spelled backwards. Crimson maroon. Grace D. Bryan.—Large pink; very double and fragrant; very late. Crimson Victory.—Forty-five inches tall, an annual, bountiful bloomer, fragrant; very fine in bud and resplendent in bloom. Prairie Splendor.—Majestic dark pink, deliciously perfumed, very vigorous and a good multiplier. Prairie King.—A sure late bloomer, flower deep, violaceous red, fragrant.

Some years ago Mr. Rosenfield bought one hundred and twenty-five

varieties from an English concern for which he paid \$130 besides freight and duty. He finds not over ten of them of any real merit and all the rest must be put on the cheap list or be discarded altogether. Here are some of the peculiar methods of this firm. He did not order any Festiva Maxima and yet they were sent in the place of four other varieties. He gave no order for Andre Laues, the old late rose. He had thousands growing himself, and in three instances these were put in the place of high-priced ones. See pages 41 and 52 of peony manual, 2d edition.

I think he has one hundred and fifty varieties from Dessert of France. While he considers him a conscientious and careful propagator, he finds only about one-half of his worthy of attention. He has put too many on the market. He thinks that ultimately, we will come down to about seventy-five varieties. It surely is better to patronize home-grown that have been carefully tested rather than bring in those of doubtful merit and run the risk of importing that terrible fungoid disease which hangs like death to the plant.

C. S. HARRISON.

York, Nebr.

## THE CULTIVATION OF GLADIOLI.

(Read before the Philadelphia Florists' Club, July 7, 1908, by Arthur Cowee.)

It is with much pleasure and a high appreciation of the honor at being requested to address you this evening upon a subject, which in spite of other business cares and responsibilities has been uppermost in my ambition and desire to excel, that is, the cultivation of gladioli.

### Qualities of the Modern Gladiolus.

Doubtless some, if not all, of you are familiar with the exceptionally rapid development of this flower during the past ten years or so. Especially do I refer to the artistic forms and coloring of enormous flowers properly arranged on a gracefully bending spike. The time was not long ago when practically the only gladiolus bulbs commercially offered were of one type, the Gandavensis, with stiff, straight spikes, comparatively small flowers arranged closely together, all of the buds developing at about the same time. The variety of colors also was limited and it is no wonder to me that except for massive decorations the average florist has been slow to take up the growing of this flower.

To such hybridizers as Groff and Lemoine are we indebted for the many types of beautiful and artistic flowers which have been recently introduced and upon which (although it may seem impossible) improvement is constantly being made: these modern hybrids which from their cheapness and adaptability to any kind of decoration, either large or small, are yearly tempting more and more the artistic, critical and exacting florist. I do not wish to appear in the light of condemning the entire Gandavensis family. Such is not my intention, for among the hosts of named varieties of this class are many which I value highly on account of some particular attribute or attributes which render it invaluable for certain purposes. For instance, I have found the varieties Shakespeare, May, Augusta and Brenchleyensis the



most reliable for forcing purposes one year with another. With a succession of plantings also, this type can be used with splendid results en masse on extensive lawns, where the contrast in colors is most pleasing.

As my task has been principally in the direction of collecting, selecting, classifying and growing commercially this bulb, my talk will be more on this line rather than from the scientific or hybridizer's standpoint, although I have had considerable experience with hybridizing in my early work. Ever since I knew anything about flowers the gladiolus has been my favorite, the growing of which I called a fad up to a few years ago, when, realizing the possibilities of the development and consequent demand for these modern types I concluded it possible to make a business of the growing of these bulbs, convinced also that the soil and climatic conditions of my section of the country were especially adapted to the development of a strong, vigorous bulb which in the gardens of the amateurs and professional growers would give most satisfactory results. How well I have succeeded is indicated by the harvest of 1907 of about 16,000 bushels of bulbs, bulblets and cormels, all of which stock has been disposed of during the season of 1908-1909 with the exception of such as we were obliged to retain for further growing. This stock is made up of selections from unnamed seedlings and named varieties placed in mixtures and color sections, also named varieties of recent introduction as well as novelties not yet introduced and of course some old varieties which by reason of some particular attributes are still in demand, are retained.

#### Origin of the Gladiolus.

Comparing the wild species with the modern hybrids one could hardly believe that the latter were offsprings of the former. Of the wild species referred to there have so far been discovered 140 or more, a few being natives of Europe and Western Asia, a few from the mountains of tropical Africa; most of them, however, are from South Africa (Cape Colony and Natal). The leading parents of garden sorts are the species *Psittacinus*, *Cardinalis*, *Sandersii*, *Purpureo-Auratus*, *Papilio*, *Dracocephalus*, *Cooperii*, *Adlami* and *Cruentus*. But few of them are of value to the garden and then only as curiosities. In addition to the use of wild species many domesticated species have been produced which have been of incalculable value in securing new types and colors, as well as the general habits and constitution are concerned.

The gladiolus is quite an old flower, for we find as far back as 1596 *Gladiolus segatum* was cultivated, and in 1629 *Gladiolus Byzantinus* was quite popular; also during the last half of the eighteenth century many species were introduced, causing a great deal of interest in this flower. At one time *Gladiolus segatum* and *communis* were highly prized for their medicinal properties, but for what ailment I have been unable to ascertain. The starchy bulbs of some African species were also used by the natives as food. In 1823 Mr. Colvill of Chelsea brought to notice the variety *Colvillii*, a cross between *cardinalis* and *tristis*, and which by later breeding has shown some beautiful hybrids especially adapted for early forcing, although the

flower is quite small. It seems, however, to have been left to Van Houtte to start the ball rolling, when in 1811 he introduced to the trade the *Gandavensis* type, said by some authorities to be a cross between *psittacinus* and *cardinalis*, while others claim it is the result of crossing *psittacinus* and *oppositiflorus*. I am inclined to the former theory, although in some so-called *canadavensis* hybrids the blood of *oppositiflorus* is recognized, especially is it most prominent in that old variety *Ceres*.

The *Lemoinei* type, a hybrid of *purpureo-auratus* and *Gandavensis*, was first introduced in 1878 by Victor Lemoine, and the *Nanceianus*, a hybrid of *Lemoinei* and *Sandersii*, was introduced in 1889 by the same hybridizer. About this time or perhaps a little earlier, a cross between *Gandavensis* and *Sandersii* was obtained by Max Leichtlin of Germany, which strain came to America and was named *Childsi*.

About the year 1887 I happened to see a small planting of gladioli in the garden of a personal friend, which, comparing quality, vitality and multiplying functions were a revelation to me. I found upon inquiring that they were hybrids from the trial grounds of Mr. H. H. Groff of Canada and immediately I made it my business to stock up as rapidly as possible from that source, so that today I have between 15 and 20,000 seedlings of exceptional merit, the result of crosses made by that hybridizer.

#### Cultural Methods.

The methods employed in the successful cultivation of the gladiolus are too well known to all of you for me to go into full details hence I will touch lightly upon this subject. One of the principal points is to select proper soil, for although this bulb will bloom in most any kind of soil and under adverse conditions, still the same as most flowers it has its choice of soils. Sandy loam is preferable, but if this cannot be supplied, heavy soil may be much lightened by the application of sand. The soil also should be well drained, for the gladiolus will not thrive well where there is excessive moisture. The soil should be well fertilized in the fall and thoroughly plowed, and again in the spring should be well pulverized, at which time the lightening process with sand should take place if required. The planting can be made in rows or en masse, according to the uses which are to be made of the flowers. If space is limited the rows may be as close as eighteen inches (18 inches) apart; such planting, of course, is intended for cut flowers.

Four inches (4 in.) is shallow enough to plant in any soil for the bulb to take strong root and permit of sufficient space for the new bulb or bulbs to form on top of the one planted. By planting this depth and even a little deeper in especially light soil, the spike from the old corm to the top of the ground is a help toward supporting the mass of flowers which are sure to follow proper cultivation and as a general rule no stakes are required except under extreme conditions, such as continued high winds sometimes accompanied by driving rains.

#### Propagation.

Gladioli bulbs may be carried through the winter year after year in

good condition, if stored in a dry place, with as low a temperature as possible above the freezing point.

The multiplication of the same variety is accomplished in two ways, first, by division, the old bulb producing from two to as high as ten new blooming bulbs. Second, by offsets or cormels which are formed among the roots between the old bulb planted and the new bulb or bulbs, which form on top. A large percentage of these cormels require two years' planting in order to secure blooming bulbs, and the first year may be sowed in rows one inch (1 in.) deep and about twelve inches (12 in.) apart. New varieties are secured only from seed, and there is no argument which would convince the modern grower that chance seedlings (by bees, butterflies and other insects) are as good as those produced by hand hybridization, especially when hybridized by one whose experience and knowledge of the habits and constitution of the parent plants as well as the proper methods to secure color results, has taught him when and how to make such crosses. Sports now and then appear in my fields, but so far, I have been unable to establish and reproduce them.

#### Decorative Value of the Gladiolus.

The blooming of the gladiolus coming as it does at the time of the year when there is comparatively a dearth of other flowers is a boon to the florists. With its new forms and coloring there is no decoration for which it is not eminently adapted and the absence of perfume as well as the odor from decomposition, which takes place with many other flowers, place it in the lead for table decoration. Beautiful and artistic wedding, funeral and other designs can be made with the individual flowers while the spikes can be arranged with green foliage in sprays, and other forms lasting much better than roses, carnations, in fact any other flower, which by reason of such use must remain some time without water.

No florist whether growing for the general or local market should neglect to force each year at least a few gladioli. Very few are so fortunate as to have their carnation houses entirely free from stem rot and consequent bare spaces, in which the gladiolus may be planted with excellent results and returning ordinarily a reasonable profit for the space occupied. Then, too, there are other house crops among which are chrysanthemums which can be economically and profitably followed by the planting of gladioli. The temperature in which the best results can be secured is that under which the carnation thrives. Bulbs after being harvested from the fields in the fall should be given a reasonable resting period after which they may be planted in the bench midway between the surface and bottom of the soil; sufficient root depth is thereby given and the necessity of staking is also avoided.

The gladiolus is well called the people's flower and I hope by careful selection and combination of those varieties best adapted to the use of the craft, that the day will not be distant when it will be a necessary asset to florists in general and the time receive the addition of the Florist's Flower.

# RECEIVER'S SALE OF THE ENTIRE STOCK OF DECORATIVE MATERIAL

of THE WILLIAM GRAHAM CO., Incorporated  
Comprising Electric Fixtures, Furniture, Flags, Bunting, Scenery, Pottery,  
Jardinieres, Vases, Etc.

TO BE SOLD AT PUBLIC AUCTION  
AT

## HORTICULTURAL HALL

Broad Street, above Spruce St.  
PHILADELPHIA, PA.

On WEDNESDAY and THURSDAY, July 15th and 16th, 1908  
Commencing at 10 o'clock each day.

Sold Subject to the Confirmation of Court of Common Pleas No. 2.

DAVID RUST, Receiver.

LEO BELMOND, Esq., Attorney, 607-608 Belz Building.

**DAVIS & HARVEY, Auctioneers, 1112 Walnut Street**

ON EXHIBITION—Monday and Tuesday, July 13th and 14th.  
TERMS—Cash—25 per cent. Deposit required at time of sale.

### Obituary

#### Edward W. Hitchings.

Edward W. Hitchings, of New York City, died at Pasadena, Cal., on June 12, aged 50 years. Mr. Hitchings has suffered for many years with lung trouble and his death was caused by this. The Hitchings business was established in 1844 by Anthony E. Hitchings and was carried on by the family until 1890 when the corporation of Hitchings & Co. was formed for carrying on the business of erecting and heating greenhouses, with E. W. Hitchings as president, a position which Mr. Hitchings held until his death, although his active participation in the business lasted only till 1895 when his health broke down and he was obliged to seek a milder climate. One daughter is left, Mr. Hitchings' wife having died five years ago. The body was brought east for interment.

#### James Cole, Sr.

James Cole, Sr., who has been in the florist business in Peoria, Ill., since 1863, passed away on June 30, at the age of 87. Mr. Cole was a native of England and came to the States in 1857, settling first in Chicago.

#### Robert Boeck.

Robert Boeck, a florist of Cincinnati, O., while walking on some boards that covered an old cistern in his greenhouse, fell through and was drowned.

#### THE LATE GEORGE T. SAMBROOK.

We present herewith the portrait of the late Geo. T. Sambrook which was received too late to appear with the obituary notes which we gave in our last issue. Mr. Sambrook retired from



GEORGE T. SAMBROOK

business four years ago and gave the establishment at Troy, N. Y., to his two sons, George T., Jr., and John E., who now conduct the business under the name of Sambrook Bros.

#### BUSINESS CHANGES.

C. E. Adams has purchased the Washington Avenue Greenhouses, Racine, Wis., and will make improvements.

## ROSES--GRAFTED

#### FINE STOCK, READY NOW

Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen, \$15.00 per 100; from 3 in. pots, \$2.50 per dozen, \$18.00 per 100.

Killarney, Carnot, Kaiserin and Uncle John, from 3 1/2 in. pots, \$1.00 per dozen, \$20.00 per 100.

The Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$2.00 per dozen, \$12.00 per 100; from 3 in. pots, \$2.50 per dozen, \$15.00 per 100; 3 1/2 inch pots, \$3.00 per dozen, \$17.00 per 100.

#### OWN ROOTS

Killarney, Kaiserin, from 3 in. pots, \$1.50 per dozen, \$9.00 per 100.

Richmond, Sunrise, from 3 in. pots, \$7.00 per 100.

Bride, Bridesmaid, Golden Gate, from 3 in. pots, \$7.00 per 100; \$60.00 per 1000.

## CHRYSANTHEMUMS

Autumn Glory, Ada Spaulding, Col. D. Appleton, Cullingfordii, Dr. Enguehard, Dorothy Devens, Geo. Kalb, Harry May, H. W. Rieman, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Robinson, Meta, Miss Minnie Wanamaker, Miss Alice Byron, Major Bonnaiffon, Nagoya, Robt. Halliday, Soleil D'Octobre, Timothy Eaton, Mrs. Robt. McArthur, Wm. Duckham, F. A. Cobbald, Pink Ivory. Price from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000.

## CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varieties), \$6.00 and \$8.00 per 100.

Send for Catalogue

**WOOD BROTHERS, FISHKILL, N. Y.**

# LILIUM HARRISII

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock.

We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July.

6-7 in. bulbs, 350 to the case, \$6.00 per 100, \$50.00 per 1000  
7-9 in. bulbs, 200 to the case, 9.00 per 100, 80.00 per 1000  
9-11 in. bulbs, 100 to the case, 18.00 per 100, 170.00 per 1000

Full Case Lots at Thousand Rates

## FREESIA REFRACTA ALBA

Bermuda-grown, finest selected bulbs, 1 1/2-in. up, \$1 per 100, \$7.50 per 1000.

French-grown, Mammoth size, 1 1/2-in. up, \$1.50 per 100, \$12 per 1000.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### OUTDOOR GROWING OF LILY OF THE VALLEY.

Editor of HORTICULTURE:

I have a piece of ground 15x12 feet which is suitable for lily of the valley. Will you kindly let me know through your valuable columns how many pips it would take to plant the above space and how far apart to put the pips? Would you recommend pips or clumps, and when would you advise planting?

A SUBSCRIBER.

Editor of HORTICULTURE:

In reply to your inquiry about growing lily of the valley I will say that in order to get the best results the pips should be planted in the fall of the year. First manure the ground liberally and then plant one-year-old pips two inches apart in rows which are twelve inches apart so as to be able to keep them free from weeds. In order to keep the extreme sun from the ground it is advisable to give the plants a light mulching until they are thoroughly rooted.

From these young pips you will get no flowers during the first two years but from the third year on you will get flowers every year unless the plants are disturbed. If flowers are wanted the first year, then plant "clumps" because they contain all ages of growth, but these will flower poorly until established. I might also mention that in order to get a nice white flower the plants will have to be planted or protected from the sun so as to get a half shade.

The German lily of the valley produces the larger flower whereas the Dutch lily of the valley has smaller bells but more of them than the German variety has.

W. H. SIEBRECHT.

### TRAINING THE CATALPA.

Editor HORTICULTURE:

I have recently taken charge of a place on which there are a number of Catalpa trees about six to eight feet in height and which at one time had an umbrella-shaped head. It is desirous to restore them to their original form as quickly as possible. Now, will some of your readers please tell me how this can be done without the

loss of much foliage as they are in a rather conspicuous position. And how are such trees kept in this umbrella-like form, at the same time retaining their ornamental appearance as far as possible?

SUBSCRIBER.

The Catalpa is one of the easiest trees to train because it is a rapid grower and produces its flowers on the young shoots. If it is desired to restore the trees at once to the umbrella-shape the new growths should be tied down, but we would advise waiting until spring, then cut the leaders right out and when they make the second growth pinch them back leaving the side shoots and letting them spread out as in training chrysanthemums. The centre shoots should always be pinched out because the sap runs to them more rapidly, and for the first two or three years they will require particular attention. By cutting severely you can easily get the desired shape in a year or two.

### FERN SEEDLINGS

Eight of the best varieties in fine condition, now ready. \$1.00 per 100; \$8.50 per 1000. If by mail add 10 cents for postage.

Assorted Ferns for Jardinieres, bushy plants, \$3.00 per 100; \$25.00 per 1000; 100 at 1000 rate

Adiantum Cuneatum, 2 1/4 in. \$3.00 per 100; \$5.00 per 1000.

Asparagus Plumosus Nanus, 1 1/4 in. \$3.00 per 100; \$25.00 per 1000

**Frank N. Eskesen**  
Madison, N. J.

### HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

ROMAN HYACINTHS and the true PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

### ORCHIDS

arrived in superb condition  
Cattleya Trianae, C. labiata, C. Mossiae, Oncidium Varicosum, Vanda Coerulea, Dendrobium Formosum and D. Dalhousieanum.

**LAGER & HURRELL, Summit, N. J.**

### ORCHIDS

Arrived in Grand Condition

CATTELEYA ANETHYSTOGLLOSSA true  
CATT. BOWRINGEANA  
LAELIA GRANDIS TENEBROSA  
ONCIDIUM SARCODES

Write for Prices

To arrive shortly

Laelia purpurata, Laelia Boothiana (lobata), Oncidium varicosum Rogersii.

**JOSEPH A. MANDA**

191 Valley Road WEST ORANGE, N. J.

### ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

### IMPORTED ORCHIDS

Arrived in Superb Condition

Vanda coerulea, Cattleya Trianae, Cattleya gigas Sanderiana, Cattleya Schroederiae, Oncidium varicosum.

**JULIUS ROEHR'S CO., Rutherford, N. J.**

### ORCHIDS

Arrived in fine condition, C. Mossiae, C. Percivaliana, C. Trianae, C. labiata, C. gigas Sanderiana, C. Harrissoniae, C. Schroederiae, C. citrina Den. Formosum giganteum, D. Wardianum, D. Fendleyanum, Oncidium Varicosum Rogersii, O. Tigrinum, O. Ornithorhynchum, Laelia anceps. To arrive shortly, Vanda Coerulea, Cattleya Gaspelliana, C. Mendelii, Phalaenopsis Amabilis, P. Schilleriana.

**CARRILLO & BALDWIN, Secaucus, N. J.**

### ORCHIDS

Arrive in good condition Cattleya Mossiae, C. Gaskelliana, C. Speciosissima. In a few days, C. gigas Sanderiana and others.

**ORDONEZ BROS., Madison, N. J.**

Prices quoted in these columns are for Dealers Only. When writing to Advertisers Please Mention HORTICULTURE.

### GREENHOUSES BUILDING OR CONTEMPLATED.

- Windsor, Ind.—M. Tredup, additions.  
 Kutztown, Pa.—Fred. N. Bair, house  
 20x80  
 David City, Nebr.—F. J. Ayres, one  
 house.  
 Boothwyn, Pa.—John Frigar, conservatory.  
 Chicago, Ill.—H. N. Bruns, house  
 25x125.  
 LeRoy, N. Y.—W. C. Barlow, house  
 26x100.  
 Noroton, Conn.—Ezra Hartwright, additions.  
 Milwaukee, Wis.—Fred C. Bredel, one house.  
 Jamestown, O.—Henry C. Fenker, one house.  
 Philadelphia, Pa.—J. W. Colflesh, house 17x100.  
 Baltimore, Md. Black Bros., two houses 18x100.  
 Grandville, Mich.—Stover Floral Co., range of houses.  
 Ft. Dodge, Ia.—North Floral Co., range of houses.  
 Burlington, Ia.—Joseph Bock, three houses, each 27x210.

### LIST OF PATENTS.

- 891,867 Lawn Mower. Harry O. Seccrest, Cleveland, Ohio.  
 891,869 Seed Hopper. Oscar W. Severson, Mabank, Texas.  
 891,909 Flow. Thomas B. Chappelaar and George F. Hunnicutt, Atlanta, Ga.  
 891,913 Plow. Abram L. Covey, St. Paul, Minn.  
 892,182 Fruit Picker. Martin Petzer, Wilksburg, Pa.  
 892,208 Corn Husking Machine. William S. Baird, Chicago, Ill., assignor by mesne assignments to Baird Corn Husker Co.  
 892,213 Rake. Fred P. Beedle, Keene, N. H.  
 892,308 Manure Spreader. John F. Rude and John W. Smith, Liberty, Ind., assignors to The Rude Brothers Manufacturing Company, Liberty, Ind., a corporation of Indiana.  
 892,340 Cultivator. William J. Watson, Lucana, N. C.  
 892,357 Bug-Exterminating Machine. Elmer L. Brillhart, Pentwater, Mich.; assignor to Brillhart Cartier Company, Ludington, Mich., a corporation of Michigan.  
 892,364 Disc Truck. William B. Christian, Drury township, Rock Island County, Ill.

### TO CATALOG MAKERS.

We are able to quote a low price on the majority of the electros of the illustrations in HORTICULTURE.



## GIGANTIC PANSIES

Can only be produced from the **Giant Strains**. Our **CHALLENGE PANSY** seed contains only the **Giant** self colors, the **Giant Striped** and **Variegated** and the **Giant Blotched**, all carefully mixed in proportion. You could not buy better seed if you paid **\$100 per Ounce**.

### PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{2}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

*We also offer pansy seed in separate colors.*

*Write for special price and catalogue.*

## ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

## "STOKES STANDARD" PANSY SEED

*Stokes' Standard Mixed Pansy* is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance. Trade pkt. (2000 seeds) 50c;  $\frac{1}{2}$  oz. 85c;  $\frac{1}{4}$  oz. \$3.25; 1 oz. \$6.00;  $\frac{1}{4}$  lb. \$20.00.

*Kingly Collection of Giant Pansies Mixed.* A most excellent strain, the same as has been sold for years by the late firm of Johnson and Stokes and has given great satisfaction. Price,  $\frac{1}{2}$  trade pkt. 30c; trade pkt. (2000 seeds) 50c; 5000 seeds \$1.00; per oz. \$5.00; per  $\frac{1}{4}$  lb. \$14.00.

**Send for Special Pansy Circular**

**FRENCH and DUTCH BULBS in season—GET PRICES**

**STOKES' SEED STORE, 219 Market St., Philadelphia, Pa.**

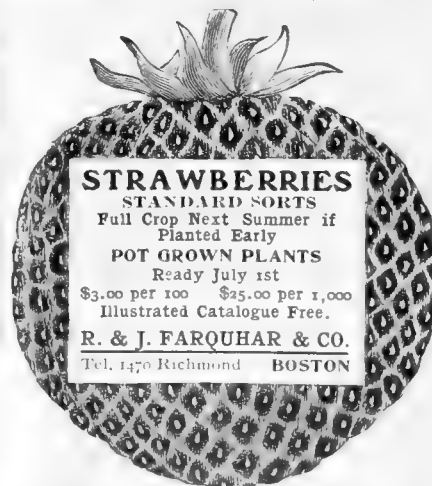
## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
**FOR FUMIGATING AND DUSTING**  
 Dusted on Plants it covers large surface.  
 One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and all ways of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
 50 Barclay St., New York

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.



## ANGLO-AMERICAN MUSHROOM SPAWN.

*"Made Direct from Spores"*

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

**ANGLO-AMERICAN SPAWN COMPANY**  
 Kennett Square, Pa.

## Seed Trade

In the matter of attendance and importance of the subjects discussed the seedsmen's convention ranked well up with any of its predecessors. In the main, the address of President Green, which we published last week, should commend itself to all thoughtful seedsmen, and undoubtedly it will. As to Mr. Green's view that as some legislation affecting the seedsmen is inevitable, it is unwise for the American Seed Trade Association to oppose all legislation, but that it would be wiser to co-operate in the framing of a consistent, logical and reasonable bill capable of enforcement and of serving the best interests of the trade, there seems to be very little ground for two opinions, and only those persons who are desirous of using questionable methods in their business will oppose legislation of the character named. While the address of the president was able, it however dealt with the matter at issue from the grass seedsmen's standpoint, rather than from that of the general seed merchant, and it seems to be up to some one representing one of the leading seed houses to present their side of the question, and it is to be hoped that the right person will come forward at the proper time.

In ordering goods please add "I saw it in HORTICULTURE."

## PANSY SEED

### Michell's Giant Exhibition

A Giant Strain which we have secured from the leading Pansy specialists in Germany, England and France.

This strain cannot be excelled.

Per Trade Pkt. \$0.50

" 1-8 Oz. .75

" Oz. 5.00

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

## Pansy Seed

In separate colors—and the finest mixture—embracing every conceivable shade and marking, and largest flowers. Mail card for descriptive price list.

FRANCIS BRILL, HEMPSTEAD, N. Y.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

## STERILIZED

Sheep Manure to help out backward vegetation, 100 lbs. \$1.50.

WM. ELLIOTT & SONS  
42 Vesey Street, New York

## SWEET PEAS

### For THANKSGIVING and CHRISTMAS

	Oz.	¼ lb.	½ lb.	Lb.
BODDINGTON'S CHRISTMAS WHITE.....	10c	40c	60c	\$1.00
" " PINK.....	10c	40c	60c	1.00
" " SNOWBIRD, the earliest forcing white ...	20c	75c	1.25	2.00
FLORENCE DENZER, (pure white)	10c	40c	60c	1.00
WATCHUNG, (pure white)	20c	75c	1.25	2.00
MRS. ALEX. WALLACE, (Lavender)	50c	1.50	2.50	

Also other varieties as advertised prices. All the above mailed free.

PANSY—BODDINGTON'S "CHALLENGE." This mixture contains all the finest giant strains of the leading Pansy Specialists in the world—the Giant self colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion. Tr. pkt. 50c.; 1 oz. 75c.; ¼ oz. \$1.50; ½ oz. \$2.75; oz. \$5.

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, NEW YORK CITY

### ASTER GROWERS ATTENTION:—

Our Seed is All Sold. If you failed to get some it is your loss. However:— Get a Competition Card Now, Enter your name as an Aster Grower of America and win part of our \$250.00 offered in prizes. Entry free. All information gladly given. No cost to you except to prepay the express charges on flowers sent in competition.

**Altimo Culture Co., Canfield, Ohio.**

## Thorburn's Seeds

### THORBURN'S BULBS

LILIAM HARRISII, 5-7 in.	100	1000
7-9 "	\$4.50	\$40.00
	8.50	80.00

Send for advance prices on Holland Bulbs, Japan Lilies and Roman Hyacinths.

ASPARAGUS PLUMOSUS ROBUSTUS,  
\$2.00 per 1000 seeds.

Pansy, Carnation, Daisy and all other seeds for florists.  
Cold Storage Lily of the Valley Plips

**J. M. THORBURN & CO.**  
33 Barclay St., through to 38 Park Place  
NEW YORK

## Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent upon request. Catalogues now ready.

### VICK'S SUPERB PANSY SEED

All the best varieties in separate colors

#### VICK'S SUPERB MIXTURE

the best strain from all the leading named sorts

1-8 oz. 75c. 1-4 oz. \$1.50 Ounce \$5.00

**JAMES VICK'S SONS, Rochester, N. Y.**

## PANSIES

Fresh Seed Just Arrived  
We can supply all the leading strains. Our Florist List Mailed Free.

**H. E. FISKE SEED CO.**  
12 Faneuil Hall Sq., BOSTON, MASS.

## CAULIFLOWERS CABBAGE

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

## ASPARAGUS PLUMOSUS NANUS

Extra Strong Seedlings, ready for 2 1-2 in. pots. Per 100, \$1.50; per 1000, \$12.00.

**O. V. ZANGEN, HOBOKEN, N. J.**  
... Ask for my new wholesale list ...

In ordering goods please add "I saw it in HORTICULTURE."

## JUST ARRIVED LARGE SHIPMENT OF High-Grade SCOTCH SOOT.

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON

## BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY  
**BRASLAN SEED GROWERS CO.**

GROWERS FOR THE  
WHOLESALE TRADE ONLY  
**SAN JOSE, - CALIFORNIA**

**BRECK'S SEEDS**  
For Farmer, Market Gardener and Florist  
New Crop High Grade  
Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

## Winter-flowering SWEET PEA SEED

All Colors

New crop ready in August next. Ask for list.  
**A. C. ZVOLANEK**  
ORIGINATOR. BOUND BROOK, N. J.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

**232 Michigan Ave.**

CHICAGO

AUDITORIUM ANNEX

Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET

Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists.

The great national holiday marks the beginning of our dull season and from now on we have plenty of time to examine our books and become thoroughly familiar with bad accounts. I do not mean so much those bad ones which we consider as dead beats generally but those which we have contracted ourselves and the results of which show a lot of undesirable merchandise now lying dusty and broken on shelves or augmenting the rubbish pile in the far corner of the lot and making very expensive soil. There is more money lost in bad purchases than in bad sales. During these following two months of peace we may take out our note book and consider

### STEAMER DEPARTURES

#### Allan.

Grampian, N. Y.-Glasgow....July 17  
Pretorian, N. Y.-Glasgow....July 24

#### American.

St. Louis, N. Y.-Shampton...July 18

#### Atlantic Transport.

Mesaba, N. Y.-London.....July 18  
Minnehaha, N. Y.-London....July 25

#### Cunard.

Ivernia, Boston-Liverpool....July 14  
Lusitania, N. Y.-Liverpool....July 15  
Umbria, N. Y.-Liverpool....July 18  
Mauritania, N. Y.-Liverpool....July 22

#### French Line.

La Bretagne, N. Y.-Havre....July 16  
La Provence, N. Y.-Havre....July 23

#### Hamburg-American.

Kaiserin, N. Y.-Hamburg....July 16

#### Holland-American.

Ryndam, N. Y.-Rotterdam....July 15

#### Leyland.

Cestrian, Boston-Liverpool....July 25

#### North German Lloyd.

Kronprinz Wm., N. Y.-Br'm'n....July 14  
K. Albert, N. Y.-Mediter'n....July 18  
K. Wm. II., N. Y.-Bremen....July 21  
Bremen, N. Y.-Bremen....July 23

#### Red Star.

Zeeland, N. Y. Antwerp.....July 18

#### White Star.

Adriatic, N. Y.-Southampton...July 15  
Cedric, N. Y.-Liverpool.....July 16  
Cymric, Boston-Liverpool....July 18  
Arabic, N. Y.-Liverpool....July 23  
Majestic, N. Y.-Shampton....July 25

the jottings made therein during the busy season. The improvements we thought about during Christmas or Easter can now be reconsidered and such preparations made as will lead to the final execution and make the same possible in just a few minutes.

There are many things which cause enormous expenses during the holidays just because we have neglected to prepare in time. A well planned delivery system as against the haphazard use of messengers may save you \$50.00 just for one Christmas. Proper room to store plants to be sold several days ahead for holiday delivery will save many a dollar as also does a perfect system of booking your orders.

Have you ever stopped to consider

Chicago.

Established in 1857



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

JACOB SCHULZ, 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree  
Street. ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

# H. BAYERSDORFER & CO.

*Known to the Trade for the past 30 years as the*

## Representative Florists' Supply House of America

**Always first in the market with anything that is new, novel and appropriate.**

### WE HAVE PREPARED FOR YOUR NEEDS

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

How many dollars you lose by careless booking of orders? How many orders are marked paid instead of charged; how many orders to be charged are filled but forgotten to be booked?

How about your freight bills? Are the charges of the express company always according to schedule? Is it not possible to reduce your incoming freight account? Was the result of your advertising equal to the expense? If not why not? Many an item that can be cited of which it is well to think now that we have plenty of time for thinking.

Now is the time of the year when profits dwindle so low that they are in many cases not sufficient to pay the expenses and we are thankful to fall back on our reserve. Following the above indicated preparations will find us in a much better financial condition to meet the same dull season one year hence.

FRANK DANZER.

#### NEW RETAIL FLOWER STORES.

Julius W. Eger, 511 Union street, Schenectady, N. Y.

#### NEWS NOTES.

Mrs. Marston B. Bunker has taken the active control of her late husband's business, 8 City Hall avenue, Boston.

A barn belonging to the Sherman Nursery Co., Charles City, Ia., was struck by lightning on June 27, and completely destroyed. The loss, which includes horses, etc., is estimated at \$8000. The building will be immediately replaced.

July 8.—Murdock McNeil, 22, employed as a gardener by President Eliot of Harvard at Northeast Harbor, Me., was drowned last night while bathing alone. It is supposed he was attacked by cramps. He was last employed at Cambridge, Mass.—Boston Post.

#### INCORPORATED.

The North Floral Co., Fort Dodge, Iowa; Otto Hansen, president; J. H. Schaffner, vice-president; E. E. Nordwall, secretary-treasurer; capital, \$10,000.

The Lohrman Seed Co., of Detroit, Mich., has incorporated with a capital stock of \$10,000.00. The officers are: President, Chas. Lohrman; vice-president, Philip Breitmeyer; secretary, Ed. Beilel; treasurer, Harry Breitmeyer.

#### PERSONAL.

Fred. H. Weber passed through Philadelphia on the 6th inst. en route for Europe.

Paul C. Schultz and bride, of Vincennes, Ind., have been spending a week in Chicago.

Visitors in New York: H. H. Battles, Philadelphia, Pa.; Benj. Dorrance, Doranceton, Pa.

A. J. Stahelin, Greenfield, Mich., narrowly escaped serious injury in an encounter with an automobile this week.

Visitors in Boston: Leonard Barron, New York; John Gibson, Newport, R. I.; John M. Cannon and wife, Webster Groves, Mo.

Alonzo J. Bryan and Miss Anna B. Babcock, both of Washington, D. C., were married on June 25. Honey-mooned at New York.

John Sinner, of the Chicago Cut Flower Exchange, is taking a week's vacation among the various summer resorts of Wisconsin.

Charles Robinson and Joseph Margolis, both of the firm of H. M. Robinson & Co., Boston, start for Peaks Island, Me., Monday, for a month's stay.

C. W. Stuart, of the firm of C. W. Stuart & Co., Newark, N. Y., while driving on June 25 was struck by a runaway team and thrown out, breaking two ribs and his collar bone.

A. B. Cartledge, Philadelphia, has just returned from a ten-day yachting trip. The objective point was the Poughkeepsie races and the route by way of the Delaware river and through the Raritan canal and around to the Hudson.

William R. Finlay, of Dorchester, Mass., and Miss Alice M. Moring, were married on June 21. They will visit New York, Chicago and spend a few weeks in Maine before returning to their home at Stoughton where they will receive their friends after September 1.

Visitors in Chicago: D. O. Connell, of the Stuppy Floral Co., St. Joseph, Mo.; Joseph Boek and Son, Burlington, Iowa; Mr. Aldous, of Aldous & Son, Iowa City, Iowa; F. C. Crab, Grand

Rapids, Mich.; H. M. Burt, Battle Creek, Mich.; J. A. Peterson, Cincinnati, O.; Theodore Meyer, Waukegan, Ill.

On Sunday evening Fred Gall, a florist in the employ of H. P. Gerhardt, of Wilmette, Ill., fell from a window at 1028 Lincoln avenue, Chicago, and fractured his skull. His recovery is doubtful. Mr. Gall formerly had a flower store in Washington, D. C., and had been in Chicago but a few weeks.

#### IN AND ABOUT DETROIT.

H. Glenn Fleming, of Fairmont, W. Va., is taking a two weeks' treatment in Mt. Clemens, using this sojourn also to call on Detroit florists.

Fred Fruck, of Berry's at Grosse Point, has left for a three months' trip to Europe, his principal object being the healing waters of Carlsbad.

Mr. Pierce, of the Detroit Cut Flower Exchange, has taken Miss Walsh as his life's partner. Miss Walsh is the daughter of an old German gardener and nurseryman and sister of Mrs. Taepke and Mrs. Flammer, both prominent local florists.

You will find something worth reading on every page of HORTICULTURE.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in  
**BOSTON**

and all

**NEW ENGLAND POINTS**

**THOS. F. CALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.

**AMERICAN BEAUTIES**

New Crop, \$10 to \$25 per 100

**CATTLEYAS**

\$6 per Dozen. Very Choice

**SHASTA DAISIES**

Extra specials. \$2 per 100

**The Leo Niessen Company**

1209 Arch St., Philadelphia, Pa.

After June 27th Store closes 6 p. m.

**ADVERTISE**

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

**ADVERTISE****CUT FLOWER BOXES**
**EDWARDS FOLDING BOX CO**  
 MANUFACTURERS  
 PHILADELPHIA, PA.
**Summer Beauties**

ALL GRADES.

**W. E. McKISSICK** <sup>WHOLESALE</sup> <sub>FLORIST</sub>

PHILADELPHIA

1619-1621 RANSTEAD ST.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

46-47-49 WABASH AVE., CHICAGO

☐ The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**Rice Brothers**

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

**E. A. BEAVEN****Southern Wild Smilax,****Log Mosses,**

Natural and Perpetuated—at Wholesale

**EVERGREEN, ALABAMA.****TOWER HOTEL****Niagara Falls, N. Y.**

Is soliciting your patronage during the S. A. F. Convention.

Very truly yours,

**M. J. HOENIG, Prop.****CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

 Western Headquarters for Choice Orchids  
 Valleys, Roses and all Cut Flowers
**PETER REINBERG**  
WHOLESALE**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

**AMERICAN BEAUTY** and all other **ROSES****LILY OF THE VALLEY, CARNATIONS****WELCH BROS., 226 Devonshire St., Boston, Mass.****WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

	CHICAGO July 7		TWIN CITIES July 6		PHILA. July 6		BOSTON July 9	
<b>ROSES</b>								
Am. Beauty, Fancy and Special...	25.00	to 35.00	25.00	to 30.00	18.00	to 25.00	15.00	to 25.00
"    Exura.....	20.00	to 25.00	18.00	to 20.00	12.00	to 15.00	12.00	to 15.00
"    No. 1.....	15.00	to 20.00	10.00	to 18.00	8.00	to 10.00	6.00	to 10.00
"    Lower grades.....	10.00	to 15.00	6.00	to 8.00	3.00	to 5.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special.....	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	3.00	to 4.00
"    Lower grades.....	3.00	to 4.00	3.00	to 6.00	1.00	to 2.00	.25	to 1.00
Killarney, Richmond, Fan. & Sp.....	6.00	to 8.00	8.00	to 10.00	4.00	to 6.00	4.00	to 6.00
"    Lower grades.....	4.00	to 6.00	5.00	to 7.00	1.00	to 2.00	.50	to 4.00
Chatenay, Fancy and Special.....	6.00	to 8.00	5.00	to 8.00	4.00	to 6.00	.....	to .....
"    Lower grades.....	4.00	to 6.00	3.00	to 6.00	1.00	to 3.00	.....	to .....
Kaiserin, Carnot.....	5.00	to 8.00	4.00	to 8.00	2.00	to 8.00	.50	to 6.00
Golden Gate, Ivory.....	4.00	to 6.00	4.00	to 8.00	2.00	to 6.00	.50	to 4.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	1.50	to 2.00	2.00	to 2.50	1.50	to 2.50	1.00	to 2.00
Ordinary.....	.75	to 1.00	1.50	to 2.00	.75	to 1.00	.25	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	.....	to 50.00	40.00	to 50.00
Lilies.....	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00	3.00	to 5.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Daisies.....	.25	to 1.00	.75	to 1.25	2.00	to .....	.....	to .....
Gladioli.....	12.00	to 15.00	2.00	to 12.00	3.00	to .....	2.00	to 3.00
Gardenias.....	.....	to .....	.....	to .....	.....	to 15.00	12.00	to 25.00
Sweet Peas.....	.25	to .75	.50	to .75	.20	to .50	.10	to .25
Adiantum.....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	10.00	to 15.00	15.00	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings.....	25.00	to 35.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
"    " & Sprea. (100 bchs.)	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00	15.00	to 50.00

**J. A. BUDLONG**

37-39 Randolph Street, CHICAGO.

Roses and

Carnations

A Specialty.....

WHOLESALE

GROWER of

**CUT FLOWERS****ROBERT J. DYSART,****Public Accountant and Auditor**

Simple methods of correct accounting especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

**28 STATE ST., BOSTON**

Telephone, Main 38.

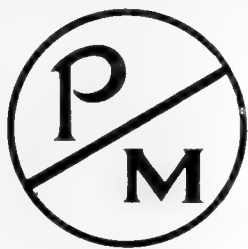
**J. B. Murdoch & Co.**

Wholesale Florists

**FLORISTS' SUPPLIES**

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.



QUALITY

## SPECIAL FOR THIS WEEK

### CYCAS LEAVES, Extra value, assorted sizes, \$6 per 100

## CHIFFONS

The Best Quality

**COLORS:** American Beauty, Violet,  
Purple, Yellow, White, Nile and  
Foliage Green.

### PRICES

#### PLAIN

4 in., 3c per yd.  
6 in., 4c " "  
10 in., 7c " "

#### DOTTED

4 in., 4½c per yd.  
6 in., 5½c per yd.

*Pieces contain about 35 yards each.*

# S. S. PENNOCK-MEEHAN CO., "THE" PHILA.

1608 to 1620 Ludlow Street—Store Opens 7.30 A. M., Closes 6 P. M.

## FLOWER MARKET REPORTS

## During Recess

**BOSTON** Vacation season with a big "V" spells the condition of the market this week. Everything is at a standstill, and while flowers of all descriptions are plentiful the excessive heat of the last few days has wilted the stock to such an extent that it is hardly worth its keeping.

Trade was decidedly on the quiet side up to Friday the past week, but livened up considerably on Saturday, when a fairly good cleaning up was had, save on roses of the ordinary quality, which have been too plentiful. The severe hot weather is showing its effect on Bridesmaids, Bride, Killarney and Richmond, which are very small and hardly saleable, while those that are not cut tight are full blown and again unsaleable. Kaiserin, Carnot and La Detroit are in fine quality and sell readily. Carnations still plentiful enough, while some growers are beginning to throw out and get ready for replanting. Other stock such as lilies, sweet peas, lily of the valley, etc., are in good supply. Asters have made their appearance, but are of short stem and poor quality.

Early closing and vacations are in order, and the trade is looking to a good rest for a few weeks.

A most refreshing rain **CHICAGO** brought relief to Chicago during the last week of June and market conditions improved somewhat. There is still an over-supply of flowers. Good stock moves though not with the regularity so much to be desired, but cheap stock positively will not move at any price. Sweet peas are good in quality but sell at low figures. Some fine *Lilium auratum* is in and brings one dollar fifty per dozen. Carnations are nearly out of the market showing the hot weather badly. Roses are holding their own fairly well and asters are just beginning to arrive.

Stock is plentiful **INDIANAPOLIS** and of good quality. Carnations are remarkably good for July but decreasing daily in quality. Brides and Bridesmaids are small but good color. American Beauty is the best rose on the market today. The old crop runs largely to long stems, while the young stock is better in quality but short of

stem. Abundance of lilies of all kinds are to be had. Outside sweet peas are somewhat of a failure owing to continued dry weather.

**NEW YORK** Disturbed only by the torrid weather and the persistency of the shippers who, in defiance of weather conditions and dead market, continue to send tons of unsalable stock to the wholesale houses, the quiet of mid-summer broods over the floral community. Stock of every description is being received daily at the wholesale markets, a large part of which is fit only for the garbage wagon. The most natural question is, why don't the growers throw it away themselves and thus save heavy express charges, but that's a question nobody can answer. Really good stock in either roses or carnations is not in evidence to any extent but it is not needed for any present purpose and so no inconvenience is caused. The first asters, now appearing here and there, are of unusual quality for the early crop and give promise of a splendid showing of this most useful of summer flowers later on. Sweet peas are everywhere, quality and variety all that could be wished for. Lilies are selling lower this summer than ever before.

In the early morning **PHILADELPHIA** there is a little business but it is soon over. The weather for the past six weeks has been unusually dry and warm, and many stocks, especially sweet peas, are at present in poor shape. On the whole, however, the situation is not much different from other seasons the first week of July. American Beauty roses are the best selling item on the market. The best ones come from a distance being larger and better than the locals. Richmonds are poor at present. Some good northern-grown Killarneys are coming in. Brides and Bridesmaids are pretty miserable stock. Good carnations sell, but the good ones are mighty few. Orchids clean right up. Lily of the valley is moving better and gladioli are finding a ready market. Easter lilies are fairly plentiful. Stocks of the less important items are far too plentiful and much of it goes to waste.

The Michigan Cut Flower Exchange and the Detroit Cut Flower Supply House crossed bats at Belle Isle, Mich., on July 10.

The Greek Retail Florists' and Growers' Association, of New York, will hold their annual picnic and games at Witzel's Point Grove, on July 16.

Arrangements are practically all completed for the Chicago florists' picnic at Morton Grove, July 19. The program is in charge of J. Zeck, who has arranged for a variety of games with prizes. Tickets for adults are \$1.00, and when presented the owner will receive a coupon worth fifty cents which may be exchanged for refreshments. All florist and horticultural clubs are invited to join with the Chicago Florists' Club in their annual picnic.

### PHILADELPHIA RECREATIONS.

Seven, four—favor of Burton team. was the result of the game of base ball between employees of George Burton and the Leo Niessen Co., July 4th. The Niessen men have asked for and been granted a return game some Saturday afternoon. George Burton was the host of the occasion and entertained all present players and spectators—royally.

The June try-out of the Florists' Club bowlers has resulted in the following list of ten with an average of 150 or over from which to select the team of five and a "sub" for the convention: Robertson 184.9, Bodds 179.4, Adelberger 179.2, Connor 175.7, Yates 174.14, Kift 168.11, Graham 167.2, Harris 166.61, Westcott 166.11, Batchellor 163.34. One at-home and four outside games will decide the final make-up.

### PICNICS IN PROSPECT.

Florists' Club, Columbus, O., July 15, at Buckeye Lake.

Florists' Club, Chicago, July 19, at Morton Grove, Ill.

Florists' Club, St. Louis, Mo., July 15, at Normandie Grove.

Gardeners' and Florists' Club of Boston, Pine Banks, Jamaica Plain, July

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626 4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist **SELLING AGENT FOR  
LARGEST GROWERS**  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
GARDENIAS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 759 Wad. Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending July 4 1908	First Half of Week beginning July 6 1908		Last Half of Week ending July 4 1908	First Half of Week beginning July 6 1908
<b>Roses</b>					
Am. Beauty, fan and sp. ....	10.00 to 20.00	10.00 to 20.00	Carnations, Fancy and Novelties. .	1.00 to 1.50	1.00 to 1.50
" extra .....	6.00 to 10.00	6.00 to 10.00	" Ordinary .....	.50 to .75	.50 to .75
" No. 1 .....	4.00 to 6.00	4.00 to 6.00	Cattleyas .....	20.00 to 35.00	20.00 to 30.00
" Lower grades .....	1.00 to 2.00	1.00 to 2.00	Lilies .....	3.00 to 4.00	3.00 to 4.00
Bride, 'Maid, fan and sp. ....	2.00 to 4.00	2.00 to 4.00	Lily of the Valley .....	1.00 to 2.00	1.00 to 2.00
" lwr. grds. ....	.50 to 2.00	.50 to 2.00	Gladioli .....	4.00 to 8.00	4.00 to 8.00
Killarney, Richmond, fancy & spec	3.00 to 5.00	3.00 to 5.00	Gardenias .....	3.00 to 12.00	3.00 to 12.00
" lower grades. ....	.50 to 2.00	.50 to 2.00	Sweet Peas per 100 bunches. ....	2.00 to 5.00	2.00 to 4.00
Chatenay, Fancy and Special. ....	3.00 to 5.00	3.00 to 5.00	Adiantum .....	.35 to .75	.35 to .75
" Lower grades .....	.50 to 2.00	.50 to 2.00	Smilax .....	6.00 to 10.00	6.00 to 10.00
Kaiserin, Carnot. ....	.50 to 5.00	.50 to 5.00	Asparagus Plumosus, strings. ....	20.00 to 25.00	20.00 to 25.00
Golden Gate, Ivory. ....	.50 to 5.00	.50 to 5.00	" & Spren. (100 bchs.)	10.00 to 20.00	10.00 to 20.00

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. New York.

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites.

**TRAENDLY & SCHENCK**  
**WHOLESALE FLORISTS**  
Furnish best stock at fair prices all the year round Send for quotations on fall orders  
Tel. 798.799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 NEW YORK

**A. MOLTZ**  
Will purchase flowers on order in  
N. Y. market and ship carefully at  
prevailing wholesale prices. Address  
55-57 West 26th Street, New York City





# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR

**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in  
Florists' Supplies and Wire Designs.

383-87 ELLICOTT ST.

BUFFALO, N. Y.

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw  
It in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and  
varnished, 18x30x12, made in two sec-  
tions, one for each size letter, given  
away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**FRANK S. HICKS & CO.**

**Wholesale Florists.**

Open Now for Consignments of Cut Flowers.

39 West 28th Street, - New York City

Tel. 2920 Mad. Sq.

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNs, \$2.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.

## WHOLESALE FLOWER MARKETS.

PER 100.  
TO DEALERS ONLY.

	CINCINNATI July 6		DETROIT July 5		BUFFALO July 6		PITTSBURG July 6	
<b>ROSES</b>								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	25.00	to 35.00	20.00	to 25.00	20.00	to 25.00
Extra	15.00	to 20.00	18.00	to 20.00	12.00	to 20.00	2.00	to 15.00
No. 1	8.00	to 10.00	12.00	to 15.00	6.00	to 8.00	8.00	to 10.00
Lower grades	4.00	to 6.00	6.00	to 10.00	3.00	to 6.00	3.00	to 5.00
Bride, 'Maid, F. & S.	5.00	to 6.00	5.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Low. gr.	2.00	to 4.00	3.00	to 5.00	3.00	to 6.00	2.00	to 3.00
Killarney, Richmond, Fan. & Sp.	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00
Lower grades	2.00	to 4.00	3.00	to 7.00	3.00	to 6.00	2.00	to 4.00
Chatenay, Fancy and Special	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
Lower grades	3.00	to 4.00	4.00	to 6.00	3.00	to 6.00	2.00	to 3.00
Kaiserin, Carnot	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	2.00	to 10.00
Golden Gate, Ivory	5.00	to 8.00	4.00	to 7.00	4.00	to 5.00	5.00	to 8.00
<b>CARNATIONS</b>								
Fancy and Novelties	2.00	to 3.00	1.50	to 3.00	1.50	to 2.00	1.50	to 2.00
Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
<b>MISCELLANEOUS</b>								
Cattleyas	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	40.00	to 75.00
Lilies	8.00	to 10.00	6.00	to 10.00	10.00	to 15.00	10.00	to 12.50
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Daisies	.35	to .50	.25	to 1.00	.50	to 1.00	1.00	to .75
Giadioli	10.00	to 12.00	10.00	to 12.00	3.00	to 4.00	4.00	to 6.00
Gardenias	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 15.00
Sweet Peas	.50	to .75	.75	to 1.00	.20	to .50	.25	to .50
Adiantum	.50	to .75	1.00	to 1.50	.50	to 1.00	1.25	to 1.50
Smilax	1.00	to 1.00	10.00	to 15.00	1.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings	40.00	to 50.00	40.00	to 60.00	50.00	to 60.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 25.00	15.00	to 25.00	25.00	to 50.00	20.00	to 40.00

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

136-138 W. 28th St., New York City

Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

**HORTICULTURAL PRODUCTS**

of every description.

Consignments Received. Surplus Stock Converted

62 Vesey St., NEW YORK

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000...\$1.75; 50,000...\$7.50. Sample free.

For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Regular advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 23 State St., Boston.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

We have a specially fine lot of Araucarias the plants at \$1.00 each are extra value for the money.

4 inch.....50 cents each

5 ".....75 " "

6 ".....\$1.00 each

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

## ASPARAGUS

A. N. Pierson, Cromwell, Conn.  
Asparagus Plumosus Seedlings.

J. M. Thornburn & Co., 33 Barclay St., New York.

Plumosus Robustus Seeds.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine plants, \$2.50 per 100; \$20.00 per 1000. Cash with order or good reference. Erie Floral Co., Erie, Pa., or Wm. F. Kasting Co., 355 Elliott St., Buffalo, N. Y.

Headquarters in New England for Asparagus Plumosus and Crawshaw Sprays; good big bunches for 25¢. Adiantum Croweana other \$1.00 to \$1.25 per 100 fronds. This is the real thing; can be kept cut for over two weeks. Send for sample order. Terms cash or satisfactory reference. J. F. Barclay, Pawtucket, R. I.

## ASTER SEED

Altimo Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEDDING PLANTS

B. Vincent, Jr., & Sons Co., White Marsh, Maryland.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

## BEGONIAS

Thomas Roland, Nahant, Mass.

Gloire De Lorraine.

For page see List of Advertisers.

S. S. Skidelsky, 1741 N. 18th St., Phila.

Gloire de Lorraine.

For page see List of Advertisers.

R. Vincent, Jr., & Sons Co.,

White Marsh, Md.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2 1-4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Lilium Harrisii.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Fall Bulbs.

For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lilium Harrisii.

For page see List of Advertisers.

Walter P. Stokes, 219 Market St., Phila.  
French and Dutch Bulbs.

For page see List of Advertisers.

Lilium Canadense (dark red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit. L. E. Williams, Nottingham, N. H.

## CANNAS

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

## CARNATIONS—Continued

John E. Haines, Bethlehem, Pa.

Field Grown

Carnations Imperial and Pink Imperial.

For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Carnation cuttings of all the leading varieties at the same price as any reliable firm. Write for prices before you look elsewhere. Wm. F. Kasting Co., 355 Elliott St., Buffalo, N. Y.

## CARNATIONS! FIELD GROWN!!

Enchantress and Winsor, on and after July 1st. Only a few left. To close out quick, \$55 a thousand. Cash or good reference with order. Wanoka Greenhouses, Barneveld, N. Y.

50,000 Field Carnations now ready. Were fielded April 1 and are fine and big. Very bushy, having been repeatedly topped. Long Island grown. Early boning with these plants means money next fall and winter to you.

Enchantress, Rose Pink, Enchantress, Lady Bountiful, Queen, White Lawson, Lawson, Red Lawson, Robt. Craig, Victory, White Perfection, Harlowarden, Prosperity. First size, \$5 per 100, \$50 per 1000; second size, \$4 per 100, \$40 per 1000.

Novelties, White, Enchantress, Beacon, Imperial, Bonnie Maid, Aristocrat, Winsor, Pink Imperial, Lloyd (New Bedford white), \$8 per 100, \$70 per 1000. Cash with order. Will book order and hold until you are ready.

Harlowarden Greenhouses, Greenport, N. Y.

## CATALOGUE ILLUSTRATING

Gatchell & Manning, 27-41 S. 6th St., Philadelphia.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRYSANTEMUMS

Chas. H. Totty, Madison, N. J.  
For page see List of Advertisers.

R. Vincent, Jr., & Sons Co., White Marsh, Md.

For page see List of Advertisers.

Frank Oechslin, 2570 2606 W. Adams St., Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

Midsummer and late varieties ready now and can supply up to September 15. Rooted Cuttings, Beatrice May, Wamanager, both Etons, Nomin, both Chadwicks, both Bon n. Bons, Maud Dean, Englehard, Murdock, both Ivorys, Alice Byron, C. Tousey, Merry Noms, M. F. Plant, Intensity, A. J. Balfour, Mary Mann, Appleton, Golden Wed. Jug, Duckham, Maestri, \$1.75 per 100; \$17.00 per 1000. Novelties, Alice Roosevelt, Hankey, Winter Cheer, Rosette, Clay Pick, Golden Dome, Virginia, Boehmann, Monymaker, Mrs. A. T. Miller, Mrs. Part ridge, \$3 per 100; \$25 per 1000. For plants out of 2 to 2 1/2 in. pots add 13¢ to above prices. Orders looked and held until you are ready. Cash with order. Ten per cent discount for cash orders. Low for August and September delivery. Harlowarden Greenhouses, Greenport, N. Y.

Bargains! Surplus of fine pot grown Chrysanthemums, Pacific, Balfour, Polly Rose, only 2¢. Also assorted Geraniums in bloom, 5¢. All are extra value. G. S. Ramsburg, Somersworth, N. H.

# For List of Advertisers See Page 57

**CHRYSANTHEMUMS—Continued**

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**COLEUS**

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

**CONIFERS**

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.  
For page see List of Advertisers.

**CUT FLOWER BOXES.**

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made  
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

**CYCLAMEN.**

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-in. pots. For J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

**DAHLIAS**

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

Dahlias, balance of season, 25 named  
varieties, postpaid, \$1.00. Catalogue free.  
J. L. Moore, Northboro, Mass.

**DECORATIVE PLANTS**

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

**DRACAENAS**

John C. Hatcher, Amsterdam, N. Y.  
For page see List of Advertisers.

**ECHEVERIAS**

Echeverias, \$13 per 1000, post paid. Mc-  
Dowell, Mexico City.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-  
Hudson, N. Y.  
For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.

E. Leully, 525 Summit Av., W. Hoboken,  
N. J.  
Ferns in Flats.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

Nephrolepis Whitmanii, extra fine runners,  
well rooted, \$3.00 per 100; \$25.00 per  
1000. Express paid to all points within 500  
miles of Rhode Island. Cash with order  
only. J. F. Barclay, Pawtucket, R. I.

**FERNS FOR JARDINIERES**

Frank N. Eskesen, Madison, N. J.  
For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New  
York.  
Sterilized Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS' SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

A. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Mudoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

J. N. Champlin & Co., 1026 Chapel St.,  
New Haven, Conn.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

Edward MacMullin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway,  
New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—Continued**

Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Red pots, seed pans, etc.  
The Peters & Reed Pottery Co.,  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.  
For page see List of Advertisers.

**GLADIOLI**

Gladiolus, large flowering mixed, balance  
of season, \$1.00 per 100; postpaid. J. L.  
Moore, Northboro, Mass.

**GLASS**

Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.  
For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.  
For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**GREENHOUSE BUILDING MATERIAL — Continued**

1. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston. Iron Pipe.

For page see List of Advertisers.

J. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses, Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

1. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

**GREENHOUSE HOSE**

Anchor grade wears well.

Mineralized Rubber Co., New York, N. Y.

Henry A. Dreer, 714 Chestnut St., Phila. Riverton Hose.

For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment, Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange, 88 and 40 Broadway, Detroit, Mich.

Fancy Ferns.

For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.

For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa.

For page see List of Advertisers.

John C. Hatcher, Amsterdam, N. Y.

For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.

Rose's Eureka For Scale.

For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**JUMPING BEANS**

Jumping Beans, \$5 per 1000, post paid. McDowell, Mexico City.

**KENTIAS**

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

A. Leuthy & Co., Rosindale, Mass.

For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.

For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.....	\$1.50	\$18.00
" 7-in.....	1.75	21.00
" 8-in.....	2.50	30.00
" 8-in. strong. 4.00	48.00	
" 9-in.....	6.00	
Kentia Forsteriana, 7-in.....	2.50	30.00
" 8-in.....	3.00	36.00
" 8-in. strong. 5.00	60.00	
" 9-in.....	6.00	72.00
Made-up Kentia Forsteriana.....	6.00	72.00

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

**LOBELIAS**

Double Lobelia, Kathleen Mallard, 2 1/4 in., 4c. Strong cuttings from soil, all full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.

For page see List of Advertisers.

**MOON VINES**

Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Anglo-American Spawn Co., Kennett Square, Penna.

For page see List of Advertisers.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.

For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.

Herbaceous Perennials, Hardy Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

Holland Nursery Stock for Forcing.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England. Importers, Exporters, Growers, Hybridists

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.

For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.

For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.

For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Rosindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 40th St., Philadelphia, Pa.

For page see List of Advertisers.

August Rolker & Sons, 31 Barclay St., New York.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

The E. G. Hill Co., Richmond, Ind. 1-Year Transplanted Peony Clumps.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.

Mineralized Rubber Co., New York, N. Y.

**PLANT TUBS**

H. A. Dreer, 714 Chestnut St., Phila.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**For List of Advertisers See Page 57**

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis,  
Mo.  
For page see List of Advertisers.

J. N. Champion & Co., 1026 Chapel St.,  
New Haven, Conn.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene  
Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

Eastern Nurseries, Jamaica Plain, Mass.  
Hardy Hybrid and Dwarf Rhododendrons.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

R. & J. Farquhar & Co.,  
6 and 7 South Market Street, Boston.

The F. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.  
Killarney, Richmond, Bridesmaids.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

John C. Hatcher, Amsterdam, N. Y.  
For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.  
Roses Own Roots.  
For page see List of Advertisers.

Low-budded roses. No. 1, \$95.00; No.  
11-2, \$65.00 1000. H. T. Jones, Elizabeth,  
N. J.

**S. A. F. CONVENTION ACCOMMODATIONS**

Tower Hotel, Niagara Falls, N. Y.  
For page see List of Advertisers.

**SEEDS**

T. J. Grey Co., 32 So. Market St.,  
Boston, Mass.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St.,  
New York.  
Boddington's Challenge Pansy, also Sweet  
Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Pansy Seed.  
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Bickards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market  
St., Boston.  
For page see List of Advertisers.

Brasian Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.  
Pansy Seeds.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.

John F. Rupp, Shiremanstown, Pa.  
Chinese Primrose, Cineraria, Giant Pansy  
Seeds.

Walter P. Stokes, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.

**SMILAX**

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

A. V. D. Snyder, Ridgewood, N. J.  
For page see List of Advertisers.

Smilax, choice young plants from fall;  
\$3.00 per 1000, 2000 for \$5.00, 5000 for  
\$10.00; 50c. per 100 by mail. F. A. Baller,  
Bloomington, Ill.

Smilax, strong, 2-4 in. pots, \$1.50 per  
100; \$15.00 per 1000. Cash please. Wm.  
Livesey, McCabe St., New Bedford, Mass.

500 Smilax, 3 in. pots, 2 and 3 in a pot,  
\$2.50 per 100, per clump. First class stock.  
J. H. A. Hutchison, Locust Street Green-  
houses, Oxford, Pa.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. Lager &  
Hurrell, Summit, N. J.

**SPRAYERS**

Charles J. Jager Co., 281-85 Franklin St.,  
Boston.

"SHOWERMAKER," \$1. Jos. Kopcsay,  
So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**TUBEROSES**

Stump & Walter Co., 50 Barclay St.,  
New York.

No. 1 Pearl Tuberose bulbs, \$5.00 per  
100. Schlegel & Fottler Co., 26 South  
Market St., Boston.

**VEGETABLE PLANTS**

R. Vincent, Jr. & Sons Co., White Marsh,  
Maryland.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New  
Model encased, self-oiling gear; Standard  
Model Open Gear. Lord & Burnham, 1134  
Broadway, N. Y.

**VIOLETS.**

Heiss, Florist, 112 S. Main St., Dayton, O.  
For page see List of Advertisers.

Maria Louise and Farquhar violet plants,  
strong, February and March sand struck,  
clean and free from disease, \$2.00 per 100;  
\$15.00 per 1000. Will be ready May 15.  
Cash with order, please. C. Lawritzen, Box  
261 Rhinebeck, N. Y.

How to Make Money Growing Violets,  
will be sent postpaid for 25c., by Horti-  
culture Publishing Co., 11 Hamilton Place,  
Boston.

Commercial Violet Culture, by B. T. Gal-  
loway, sent postpaid for \$1.50, by Horti-  
culture Publishing Co., 11 Hamilton Place,  
Boston.

Violet Marie Louise, No. 1 sand rooted  
cuttings for sale. Write for prices. Alva  
Bishop, P. O. Box 163, Rhinebeck, N. Y.

**VINCAS**

John C. Hatcher, Amsterdam, N. Y.  
For page see List of Advertisers.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Ujfalussy, 136-138 W. 28th St.,  
New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40  
Broadway, Detroit, Mich.

Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Buffalo**

Wm. F. Kasting Co., 383-87 Elllicott St.,  
Buffalo, N. Y.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



## WHOLESALE FLORISTS— Continued

### Chicago

- Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

### Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

### Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

### New York

- J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.
- Ford Bros., 48 W. 25th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- Frank S. Hicks & Co., 39 W. 28th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- A. Moltz, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

### Philadelphia

- W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### Pittsburg

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

## WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

- O. V. Zaugg, Hoboken, N. J.  
For page see List of Advertisers.

### CHALLENGE PANSY SEED.

- Arthur T. Boddington, 312 W. 14th St., New York.  
For page see List of Advertisers.

### ENTIRE STOCK AT AUCTION.

- Wm. Graham Co., Philadelphia, by Davis & Harvey.  
For page see List of Advertisers.

### GRAFTED ROSES, CHRYSANTHEMUMS, CANNAS.

- Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

### KILMDEAD TOBACCO DUST.

- Stump & Walter Co., 50 Barclay St., New York.  
For page see List of Advertisers.

### PANSY SEED.

- Francis Brill, Hempstead, N. Y.  
For page see List of Advertisers.

### PEONY AND IRIS ROOTS.

- Peterson Nursery, Lincoln and Peterson Aves., Chicago, Ill.  
For page see List of Advertisers.

### ROSES.

- Jas. J. Curran, Salem Conservatories, Salem, Va.  
For page see List of Advertisers.

### STRAWBERRY PLANTS, POT-GROWN.

- R. & J. Farquhar & Co., 6 and 7 So. Market St., Boston.  
For page see List of Advertisers.

### USEFUL BOOKS.

We can supply the following books, postpaid, at the prices listed:—

The Chrysanthemum. Herrington. Price, 50 cts.

How to Make Money Growing Violets. Saltford. Price, 25 cts.

Daffodils-Narcissus and How to Grow Them. A. M. Kirby. Price, \$1.10.

Commercial Violet Culture. Dr. B. T. Galloway. Price, \$1.50.

Water Gardening. Peter Bisset. Price, \$2.50.

Lawns and How to Make Them. Leonard Barron. Price, \$1.10.

Roses and How to Grow Them. By Many Experts. Price, \$1.10.

The New Cyclopedia of American Horticulture. L. H. Bailey. Four volumes; \$20.00.

How to Make School Gardens. H. D. Hemenway. Price, \$1.10.

How to Make A Fruit Garden. S. W. Fletcher. Price, \$2.20.

How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.

How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.

The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.22.

All prices are postpaid.

The First County Park System. F. W. Kelsey. Price, \$1.25.

50 cts.

Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.

Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.

The Art of Landscape Gardening, by H. Repton. Price \$3.20, postpaid.

Water Lilies and How to Grow Them. Henri Huss and H. S. Conard. Price, \$1.21.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## SITUATIONS WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## HELP WANTED

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

WANTED—A young man with some experience in growing pot plants for market, to work under a foreman. Apply with experience and wages expected, to Thomas Roland, Nahant, Mass.

A GOOD SITUATION is open for a competent seedman and a traveling man who knows the road and can get business. Address B. B., care Horticulture Pub. Co.

A GOOD side line for salesmen calling on greenhouses, etc. Pocket samples. State territory and references. Factory, P. O. Box 1371, New York.

WANTED—Experienced rose grower to take charge of a range of houses. Address with credentials, K. K., care HORTICULTURE.

## FOR SALE

FOR SALE—Plate glass mirrors, marble slab counter, show ice box with mirror back and tile floor, elegant fixtures for modern retail flower store, which we have no use for in our present business as wholesale dealers. Come and examine. Price low. Millang Bros., 41 W. 28th St., New York.

FOR SALE—Special—Glass for sale below cost. 16 x 24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parshelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

## MISCELLANEOUS

## TO LEASE

Four Greenhouses containing about 10,000 feet of glass in good running order. Ideal place for wholesale grower. For description address

N. F. MCCARTHY CO.  
84 Hawley St., Boston, Mass.

BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

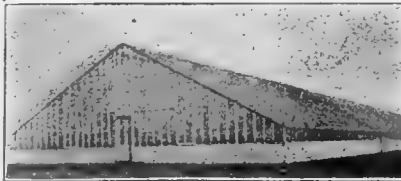
261 to 287 A St., Boston 20-22 Canal St.

## List of Advertisers

Page	Page
Advance, The Co. .... 59	Manda Jos. A. .... 43
Altimo Culture Co. .... 45	MacMullin E. A. .... 47
American Nursery Co. .... 32	McCarthy N. F. & Co. .... 56
Anglo-American	McConnell Alex. .... 46
Spawn Co. .... 44	McKellar Charles W. .... 48
Aschmann G. .... 31	McKissick, W. E. .... 48
Atlanta Floral Co. .... 46	McManus Jas. .... 50
Bambrick Thos. H. .... 56	Michell H. F. Co. .... 45-57
Barrows H. H. & Son. .... 30	Michigan Cut Flower
Bayersdorfer H. & Co. .... 47	Exchange. .... 51
Bay State Nurseries. .... 32	Millang Bros. .... 50
Beaven E. A. .... 48	Moltz, A. .... 50
Berning H. G. .... 51	Moninger J. C. .... 58
Boddington A. T. .... 30-44	Moore, Hentz & Nash .... 50
Boston Florist Letter	Murdoch J. B. & Co. .... 46
Co. .... 51	Murray Samuel .... 46
Boston Plate and Win-	Niessen Leo. Co. .... 48
dow Glass Co. .... 56	Oechslin Fraak. .... 30
Bosch, Felix. .... 43	Ordonez Bros. .... 43
Braslan Seed Growers	Ouwkerk P. .... 32
Co. .... 45	Palethorpe P. R. Co. .... 57
Breck Joseph & Sons	Park Floral Co. .... 46
Brettmeyer's J. Sons. .... 46	Payne John A. .... 49
Bridgeman's Seed	Pennock-Meehan Co. .... 57
Warehouse. .... 45	Perkins St. Nurseries. .... 32
Brill Francis. .... 45	Peter on Nursery. .... 30
Budlong J. A. .... 48	Pierce F. O. Co. .... 59
Burpee W. A. & Co. .... 45	Pierson, A. N. .... 31
Carrillo & Baldwin .... 43	Pierson F. R. Co. .... 31-43
Cassidy I. .... 59	Pierson U Bar Co. .... 60
Castle Co. .... 58	Poehlmann Bros. Co. .... 32
Chicago Carnation	Pulverized Manure Co. .... 57
Co. .... 31	Quaker City Machine
Clarke's David, Sons	Co. .... 59
Cleary's Horticultural	Quinlan P. R. .... 32
Co. .... 51	Raynor John I. .... 50
Cowee W. J. .... 51	Reed & Keller. .... 50
Craig, Robt. Co. .... 32	Reinberg Peter. .... 48
Currau Jas. J. .... 32	Reuter S. J. & Sons
Davis & Harvey. .... 42	Co., Inc. .... 30-32
Dingee & Conard Co. .... 32	Rice Bros. .... 48
Doane Geo. B. & Son. .... 59	Richards Bros. .... 45
Dorner F. Sons & Co. .... 31	Robinson H. M. & Co. .... 51
Dreer H. A. .... 57-59	Rock Wm. L. Flo. Co. .... 46
Dunlop John H. .... 46	Roehrs Julius Co. .... 43
Dysart R. J. .... 43	Roper Albert. .... 31
Edwards Folding Box	Roland, Thomas .... 30
Co. .... 48	Rolker August & Sons .... 57
Elliott Wm & Sons .... 45	Rose Hill Nurseries. .... 32
Esler J. G. .... 59	Rose M. H. .... 31-57
Ernest W. H. .... 57	Salem Conservatories
Eskenen Frank N. .... 43	Sander & Son. .... 43
Eyres .... 46	Schulz Jacob. .... 46
Farquhar R. & J. & Co. .... 44	Scott, John. .... 30
Fenrich J. S. .... 50	Sharp, Partridge & Co. .... 58
Fiske, H. E. Seed Co. .... 45	Sheridan W. F. .... 50
Foley Mfg. Co. .... 59	Siggers & Siggers. .... 57
Ford Bros. .... 50	Situations & Wants. .... 57
Froment H. E. .... 50	Skidelsky S. S. .... 30
Galvin Thos. F. .... 47	Smyth Wm. J. .... 46
Grey T. J. Co. .... 45	Snyder A. V. D. .... 30
Gude Bros. Co. .... 50	Standard Plate Glass
Guttman Alex. J. .... 46	Co. .... 58
Hall Asso. .... 59	Stearns A. T. Lumber
Haines, J. E. .... 31	Co. .... 44
Hartmann Hjalmar &	Stokes Seed Co. .... 44
Co. .... 45	Stump & Walter Co. .... 44-57
Hatcher, John C. .... 31	Thorburn J. M. & Co. .... 45
Hauswirth M. C. & J. E. .... 46	Totty Chas. H. .... 31
Heacock Joseph. .... 32	Tower Hotel. .... 50
Heiss, Florist. .... 31	Traendly & Schenck. .... 48
Herbert David & Son. .... 30	Valentine, J. A. .... 46
Hews A. H. & Co. .... 57	Velthuys K. .... 43
Hicks Frank S. & Co. .... 51	Vick's Jas. Sons .... 45
Hilfinger Bros. .... 57	Vincent R. Jr. & Sons. .... 30
Hill, The E. G. Co. .... 32	Water John & Sons. .... 32
Hoenig M. J. .... 48	Weathered Co. .... 58
Horan E. C. .... 46	Weber F. C. .... 46
Houghton & Clark. .... 59	Welch Bros. .... 48
Hunt E. H. .... 56	Weigel & Ujfalussy. .... 51
Jacobs S. & Sons. .... 58	Wilson. .... 46
Kasting W. F. .... 51	Winterson, E. F. Co. .... 48
Kessler, P. F. .... 59	Withold Geo. Co. .... 46
King Cons. Co. .... 50	Wood Geo. .... 42
Kroeschell Bros. Co. .... 51	Woodrow, Sam'l A. .... 51
Kuebler Wm. H. .... 58	Yokohama Nursery Co. .... 31
Lager & Hurrell .... 43	Young & Nugent .... 46
Langjahr, Alfred H. .... 50	Zangen O V. .... 45
Leuthy A. & Co. .... 50	Zinn Julius A. .... 47
Lord & Burnham Co. .... 60	Zovlanek A. C. .... 45
Lutton W. H. .... 59	

## JOHN A. PAYNE GREENHOUSE Designer & Builder

260-274 Culver Ave.  
JERSEY CITY, N. J.



**IRON FRAME  
SEMI-IRON FRAME  
TRUSS ROOF  
WOOD FRAME**  
**Material Only or Erected**  
Everything for the Greenhouse



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 2 1/2 " " " 5.25	60 8 " " " 3.00
1500 3 " " " 6.00	48 10 " " " 4.80
1000 3 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	24 11 " " " 4.80
500 4 " " " 4.50	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 3.16	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of  
Cylinders for Cut flowers, Hanging Baskets, Lawn  
Vases, etc. Ten percent. off for cash with order. Address  
**Hilfinger Bros., Pottery, Fort Edward, N.Y.**  
August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower POTS

If your greenhouses are within 500 miles of  
the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.



Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

DON'T EXPERIMENT

USE

# To-BAK-INE

and your stock will be  
free from insects, clean,  
and the blooms will not  
be discolored.

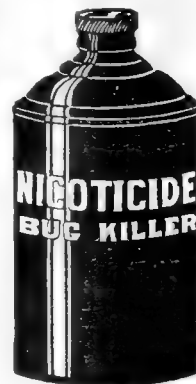
Send for full  
information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF

Write to

**P. R. Palethorpe Co.**  
OWENSBORO, KY.

IF YOU ARE TROUBLED

with Scale, Thrip, Red Spider, Black and  
Green Fly, Mildew, Rust, Stem Rot, etc.,

... USE ...

## ROSE'S EUREKA

the never failing remedy. \$1.00 per Bottle,  
\$9.00 per dozen Bottles.

M. H. ROSE, 46 Macomb Street, DETROIT, MICH.  
Agents Wanted in Every State.

## Cattle Manure In Bags

Shredded or  
Pulverized

Best and safest manure for florists  
and greenhouse use, absolutely pure,  
no waste, no danger. Write for cir-  
culars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago



## DREER'S

Florist Specialties.  
New Brand "New Style"  
Hose "RIVERTON"

Furnished in all its up  
to date with the latest  
joint

The HOSE for the FLORIST  
and the FLORIST  
Red 1 1/2 in. 10 ft.  
Red 1 1/2 in. 15 ft.  
Red 1 1/2 in. 20 ft.  
Red 1 1/2 in. 25 ft.  
Red 1 1/2 in. 30 ft.  
Red 1 1/2 in. 35 ft.  
Red 1 1/2 in. 40 ft.  
Red 1 1/2 in. 45 ft.  
Red 1 1/2 in. 50 ft.  
Red 1 1/2 in. 55 ft.  
Red 1 1/2 in. 60 ft.  
Red 1 1/2 in. 65 ft.  
Red 1 1/2 in. 70 ft.  
Red 1 1/2 in. 75 ft.  
Red 1 1/2 in. 80 ft.  
Red 1 1/2 in. 85 ft.  
Red 1 1/2 in. 90 ft.  
Red 1 1/2 in. 95 ft.  
Red 1 1/2 in. 100 ft.

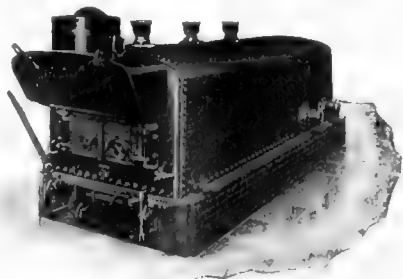
Couplings furnished.  
HENRY A. DREER,  
714 Chestnut St.,  
PHILADELPHIA, PA.

## BRINGS PRODUCER AND BUYER TOGETHER.

"This spring I wanted some stock that  
did not prove easy to get. After vain at-  
tempts in New Jersey and elsewhere one  
day a sample copy of HORTICULTURE  
came to hand and, lo! in it I saw adver-  
tised just what I wanted, within 20 miles  
of home. To do the square thing I think  
my dollar ought to go forward. Here's  
your dollar." Yours,  
Rhode Island, E. A. CHIPMAN.

## GREENHOUSE HEATING

From The Weekly Florists' Review, Dec. 20, 1906.



### A HEATING RECORD

I have two houses, each 24 x 100, in which I grow lettuce and general stock. I keep a night temperature 50 to 52 degrees. They are heated with hot water. I had a special boiler made to order that has proved itself beyond my expectations. In the winter of 1905-6 I used thirty-one tons of coal at \$1.60 and ten cords of foot wood worth about \$2.00 per cord. This I thought very reasonable. The circulation is perfect. Last winter in moderate weather, that is, not windy and outside temperature 20 degrees or 30 above zero, I would leave the boiler nine hours with a variation of but 3 degrees.

Ten days ago I was called to Cleveland over night. The outside temperature was 46 degrees at 2:40 p. m., when I left the boiler, with a gradually sinking mercury. There being no men about, I left instructions that the boiler should not be touched until next morning. My wife, on my return next evening, reported that at 7 p. m. it became quite windy and by 7:30 was freezing, with stormy outlook. When she awoke at 6 a. m., the outside temperature was 26 degrees, and the greenhouses were 47 degrees. I think this is a record for **fifteen hours and twenty minutes without attention.** I would like to hear from anyone who can beat it.

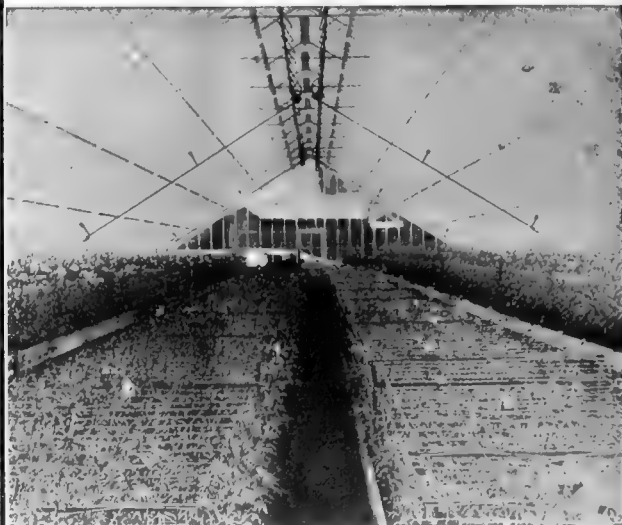
C. S. TESSON, Garrettsville, Ohio.

THIS IS A KROESCHELL BOILER, ASK HIM.

KROESCHELL BROS. CO., 35 ERIE ST., CHICAGO

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

## Figure It Out

Have you found out that lower values on your product makes it necessary that you figure close on every operation of your greenhouse?

### TO WIN OUT TODAY

you must have the greatest amount of efficiency at the lowest amount of expense. No device has ever been offered that will do this for you so surely and effectually as

## The Electric Circulator

Send us your address and we will send you some interesting facts and figures.

The Castle Company, Heating Engineers, 170 Summer Street, Boston, Mass.

### S. JACOBS & SONS

Manufacturers of GULF CYPRESS

### GREENHOUSE MATERIAL HOT-BED-SASH & FRAMES

Jobbers in Boilers-Pipe-Fittings and

GLASS on which we can quote attractive prices. Disc on large quantities. We furnish everything for Greenhouse Building  
1365-1379 Flushing Avenue  
BROOKLYN, - NEW YORK

### GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.  
117 E. Blackhawk St., CHICAGO

### STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

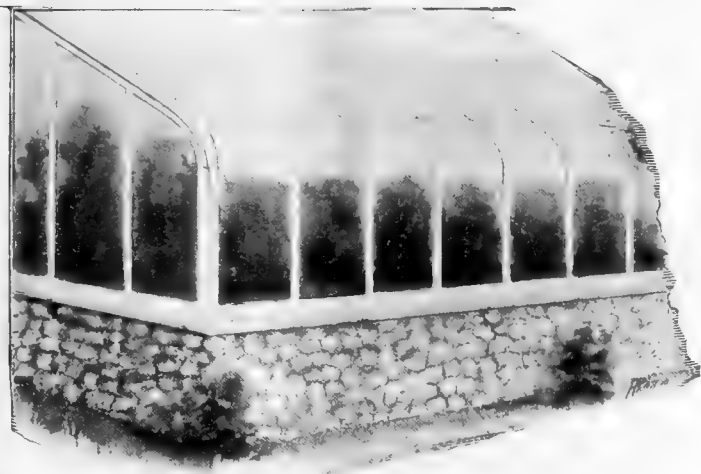
### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

## GLASS

Always Write Us Before Buying  
SHARP, PARTRIDGE & CO.  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. THE MOST IMPORTANT OF THEM ALL. The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

William H. Lutton, Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.



### The Advance Ventilating Apparatus

"Your machine is the best we have ever used" is what an Ohio florist writes us in remitting for his machine. It is not good only in one part but it is the best in all parts—the results of experience, of careful study, of mechanical construction, best material and backed by moderate prices that makes our line so popular. Give us a trial.

The Advance Co.  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts. All Sizes. Price Low.

GEO. B. DOANE & SON  
18 Midway Street, BOSTON  
Telephone, Main 4419



### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

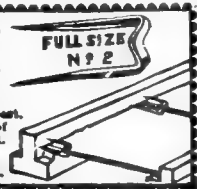
Write for Catalogue  
QUAKER CITY MACHINE CO.  
Richmond, Ind.

### Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.  
HENRY A. DEER,  
114 Chestnut St., Phila., Pa.



The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 29,000,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N.J.

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Simple in Erecting Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

THE FOLEY MFG. CO., WESTERN AVENUE  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

HOT BED SASH  
PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

### I. CASSIDY

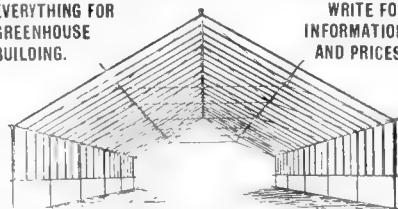
Designer and Builder of

## Iron and Wood Greenhouses

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

KING CONSTRUCTION COMPANY  
NORTH TONAWANDA, N. Y.

## MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.

12 W. Broadway and  
227 Greenwich St.  
NEW YORK





## KEEPING BOILER SET UP EXPENSE DOWN

The Burnham Cast Iron Sectional Boiler needs no derrick to set it up; the boiler shed does not have to be torn out, because section by section the Burnham can be passed through the ordinary door or down a stairway. No costly "bricking in" is necessary as the boiler and base are complete in themselves. No expensive labor is required as the set-up is so simple and the directions we send with each boiler are so plain that your own men will have no trouble in doing the work.

Then, when set up, you have a *cast iron boiler* made especially for greenhouse work — the boiler that's grown up in the business — the boiler that burns any kind of fuel. Burnhams are made in 83 sizes.

SEND FOR NEW BOILER CATALOG.

### Lord & Burnham Co.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
31, Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## THEY HAVE CURVED EAVES

That means no gutter at eaves — no shade lines at eaves. It means increased productiveness, also simplicity, attractiveness. They are the lightest, strongest, most durable houses built, and cost less to maintain. Send for catalog.

*The ideal construction for private estates, parks, public institutions and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



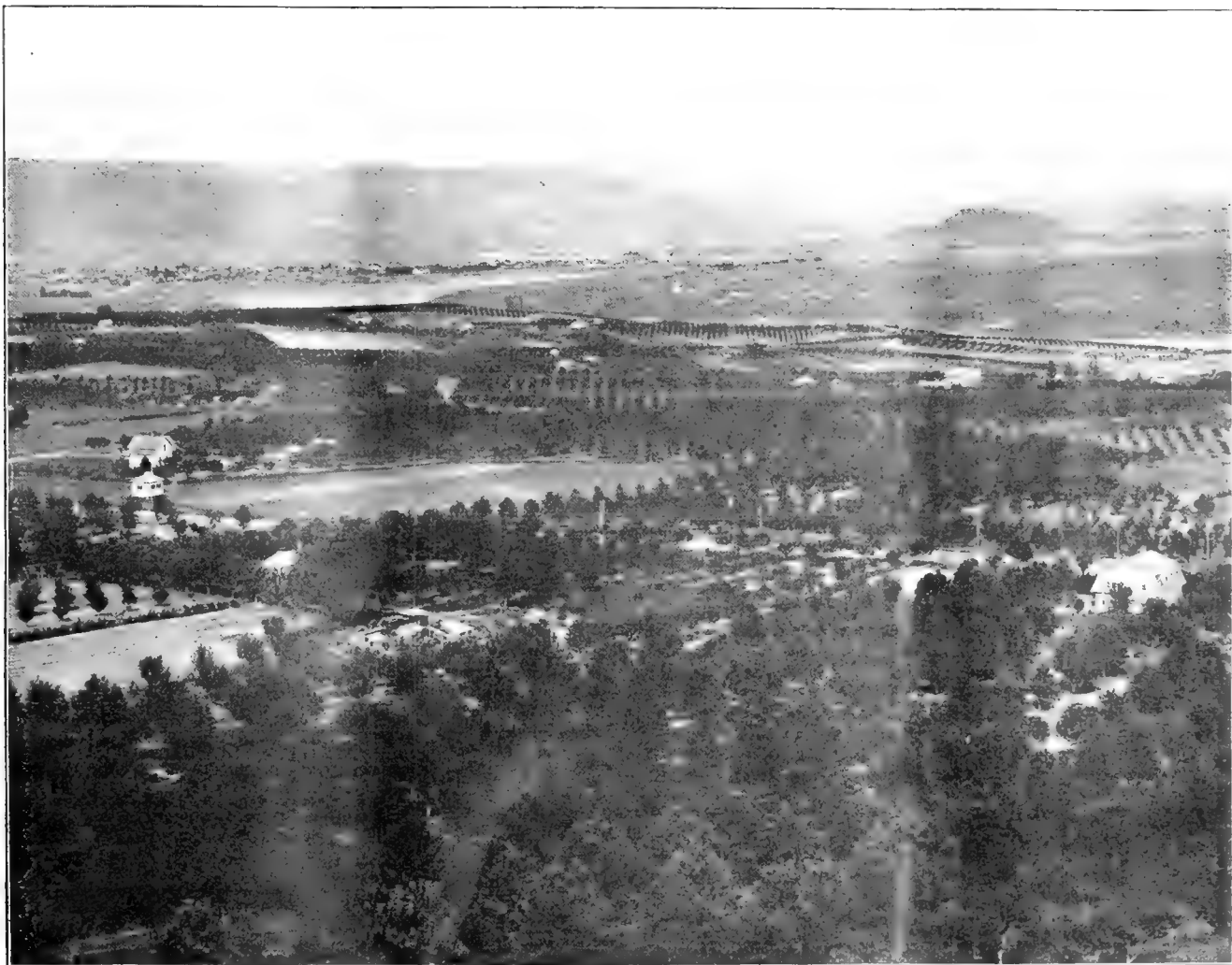
U-BAR CO.

1 MADISON AVE., NEW YORK



# HORTICULTURE

Vol. VIII JULY 18, 1908 No. 3



FRUIT GROWING IN SNAKE RIVER COUNTRY, IDA., SOUTHEAST OF SPOKANE

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# GERANIUMS

## OUR SPECIALTY!

WE are prepared to grow Geraniums on quite an extensive scale next season, and are making very interesting prices on orders booked now for delivery during the Fall and Winter. Send us a list of what you can use and when you will be ready for them and see what we can do for you. Only plants from 2-in. pots. We do not send out rooted cuttings.

**WE HAVE A SPLENDID LOT READY FOR IMMEDIATE SHIPMENT FROM 2-IN. POTS, IN FINE SHAPE.**

Standard Sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, single or double, all good sorts, a splendid collection to stock up on.

Newer Varieties selected from the finest introductions of 1905-6 at \$6.00 to \$8.00 per 100.

Novelties, one each of 50 varieties for \$5.00, from 1907 introduction from Bruants, Lemoine, Rozain, Bouchardat, Calcells and other specialists.

SMILAX, strong plants, \$2.00 per 100.  
COLEUS, Golden Bedder and Verschaffeltii, 2 in., \$2.00 per 100.  
3 in., 3.00 per 100.

BEGONIA, Vernon and Gracilis, 2 in., \$2.00 per 100.

HARDY CHRYSANTHEMUMS, \$2.00 per 100. 500 in 20 varieties, our selection for \$9.00. 1000 in 20 varieties our selection for \$17.50, strong plants from 2 in. pots.

**R. VINCENT JR. & SONS COMPANY, White Marsh, Md.**



## COLD STORAGE

### LILIUM SPECIOSUMS AND AURATUMS, &c

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

#### LILIUM SPECIOSUM RUBRUM—Cold Storage.

8—9 inch bulbs, 225 in a case.....\$6.50 per 100; \$60.00 per 1000  
9—11 inch bulbs, 125 in a case.....\$10.00 per 100; \$90.00 per 1000

#### LILIUM SPECIOSUM ALBUM—Cold Storage.

8—9 inch bulbs, 225 in a case.....\$9.00 per 100; \$80.00 per 1000  
9—11 inch bulbs, 125 in a case.....\$14.50 per 100; \$140.00 per 1000

#### LILIUM SPECIOSUM MELPOMENE—Cold Storage.

8—9 inch bulbs, 225 in a case.....\$7.50 per 100; \$70.00 per 1000  
9—11 inch bulbs, 125 in a case.....\$11.00 per 100; \$100.00 per 1000

#### LILIUM AURATUM—Cold Storage.

9—11 inch bulbs, 125 in a case.....\$9.00 per 100; \$85.00 per 1000

#### LILIUM LONGIFLORUM GIGANTEUM—Cold Storage.

7—8 inch bulbs, 300 in a case.....\$8.00 per 100; \$70.00 per 1000; \$21.00 per case  
8—9 inch bulbs, 300 in a case.....\$9.00 per 100; \$85.00 per 1000; \$25.00 per case  
9—10 inch bulbs, 200 in a case.....\$14.00 per 100; \$130.00 per 1000; \$25.00 per case

All Cases Repacked and Bulbs guaranteed sound

**ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK CITY**

## GERANIUMS

Strong, stocky plants in bud and bloom; scarlet; crimson; white and pink. 4 in. pots, \$6 per 100

**S. J. REUTER & SON, Inc, WESTERLY, R. I.**

## DAHLIAS.

Now is the time to place your order for dahlias which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
**ATCO, N. J.**

**BEWARE** —of the — **Advertise! Advertise!** Space in Horticulture is reasonable and effective. Try it and you'll have no surplus to throw away.

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR

**BUSH PLANTS IN POTS**

Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early, Mid-season and Late, 2½ in. 50c per doz., \$3 per 100.  
4½ in. in pots, \$1 per doz., \$8 per 100.

**PRIMULA OBCONICA and P. CHINENSIS**

Best Varieties

Ready Now, 2½ in. pots, \$3.00 per 100, \$25.00 per 1000.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

## Special Low Prices

On large Specimen Kentias, Palms, in Variety, Araucarias, etc., for Decorating Purposes.

### JUST RECEIVED

A large shipment of medium sized Kentias, Arecas, Cocoses, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

## Begonia Gloire de Lorraine

Strong 2½ in. pot plants, leaf cuttings, \$15 per 100, \$140 per 1000. Immediate Delivery

**S. S. SKIDELSKY, 1741 No. 18th St. PHILADELPHIA**

## Smilax

Good, strong plants, 2½ in. pots, \$1.75 per 100  
\$17.00 per 1000 (cash with order)

**A. V. D. SNYDER, Ridgewood N. J.**

## NEP. WHITMANI

2½ in., \$5.00 per 100

## NEP. WHITMANI

3½ in., \$25.00 per 100

## BOSTON FERNS

2½ in., \$3.00 per 100

**H. H. BARROWS & SON Whitman, Mass.**

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

### JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford **BROOKLYN, N. Y.**

# Hydrangea Otaksa

**For JULY and AUGUST FLOWERING**

We make a specialty of **HYDRANGEAS**, and have a magnificent lot of very large plants in half-barrels—splendid plants, well budded, just beginning to show color. Nothing equals these plants for lawn decoration at Summer resorts, etc. Grand plants in half-barrels, \$5.00, \$7.50 and \$10.00 each—according to size. We have also a limited number of plants in tubs which we can supply as long as unsold, at \$2.00 each.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Araucarias, Kentias Bay Trees

**Araucaria Excelsa Glauca**, Sp. cimen Plants, 7 in. pots, 6 year old, 5 tiers, 25 to 40 inches high, same in width, \$2.00, \$2.50, \$3.00 to \$4.00 each; 6 in. pots same variety, \$1.25 to \$1.50.

**Robusta Compacta**, 6 in. pots, \$1.25, \$1.50 each.

**Excelsa**, 3 tiers, 8 to 10 inches, 5 1/2 in. pots, 400; 5 1/2 to 6 in., 2 to 3 years old, 3, 4, 5 tiers, 10 to 20 inches high, 50c, 60c, 75c, \$1.00 each.

**Kentia Belmoreana**, 5 1/2 to 5 1/2 in. pots, 22 to 25 ins. high, 50c, 60c, 75c; 4 in. pots, 2 to 22 in., 35c.

**Forsteriana**, 7 in. pots, made up, 40 in. and above, \$3.00 each. 6 to 7 in. 36 in. high, single, \$2.00. 6 in. pots, 30 in. high, \$1.50. 6 in. 25 to 28 in. high, 75c to \$1.00 each. 5 1/2 in. pots, 20 to 25 in. high, 50c to 60c.

**Bay Tree**, just arrived from Europe, Standard, 8-ft. high from top of tub, crown 30 inches in diameter, per pr., \$15.00.

**Solanum or Jerusalem Cherries**, new improved strain, 2 1/2 in. pots, \$5.00 per 100.

**Begonia Gloire de Lorraine**, raised from leaf cuttings, 3 inch pots, ready for shift into 4 or 5 inch, 25c.

Cash with order, please. All goods must travel at purchaser's risk

## Godfrey Aschmann

Importer, Wholesale Grower  
and Shipper of Pot Plants

1012 West Ontario St. Philadelphia, Pa.

**Asparagus plumosus nanus**, Sprengerii, 3 in. \$3.00 per 100.

**Aspidistra**, excellent plants, 5 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.

**Araucaria excelsa**, \$25.00 per 100 upwards.

**Adiantum cuneatum**, 3 in., \$3.00 per 100.

**Ficus elastica** (Rubbers) 5 in., \$20.00 per 100.

**Dracena indivisa**, \$4.00 to \$25.00 per 100.

" Sanderli, 3 in., \$15.00 per 100.

" Godseffiana, 3 in., \$6.00 per 100.

**Cocos Weddelliana**, 3 in., \$10.00 per 100.

**Latania Borbonica**, \$5.00 per 100 upwards.

**Kentia Forsteriana** and **Belmoreana**, \$7.00 per 100 up to \$10.00 each.

**Smilax**, 3 in., \$2.50 per 100.

**Poinsettia**, 3 in., \$6.00 per 100.

**Nephrolepis Scotti**, Pierstonii, 3 in., \$5.00 per 100.

100. Bostoniensis, 3 in., \$3.00 per 100.

Absolute Satisfaction Guaranteed.

**M. H. ROSE**, 46 Macomb Street, Detroit, Mich.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## BAY STATE

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

## GRAFTED ROSES

Special Bargain Sale

Extra fine Stock from 3 inch pots.

**KILLARNEY, CARNOT, KAISERIN, UNCLE JOHN, RICHMOND,**

\$2.50 per dozen \$15.00 per 100

**BRIDE, BRIDESMAID, GOLDEN GATE, LA FRANCE,**

\$2.00 per dozen \$12.00 per 100

**OWN ROOT**

**KILLARNEY, KAISERIN, RICHMOND**  
from 3 inch pots, \$7.00 per 100.

**BRIDE, BRIDESMAID, GOLDEN GATE**

from 3 inch pots, \$6.00 per 100.

## CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varieties), \$6 and \$8 per 100.

Send for Catalogue

**WOOD BROTHERS, Fishkill, N.Y.**

## CHRYSANTHEMUMS

In all standard varieties and colors now ready for planting from 2 1/2 pots, \$3.00 per 100, \$20.00 per 1000.

**CHARLES H. TOTTY, Madison, N. J.**

## CARNATIONS

**F. DORNER & SONS CO.**

La Fayette, Ind.

**BEST VARIETIES**

Field-grown

## CARNATION PLANTS

CHICAGO CARNATION CO.

A. T. PYFER, MGR.

JOLIET, ILL.

## JOHN E. HAINES

Bethlehem, Pa.

Field plants of the following varieties will be ready by August 1st.

John E. Haines, red Imperial variegated Pink Imperial, Pink Enchantress, Light Pink  
Per 100 Per 1000  
\$6.00 \$50.00

Place your orders early for Jan. delivery.

## CARNATION PLANTS

5000 Enchantress, 1000 Rose Enchantress, 1000 Bountiful, 500 good Scarlet seedlings. All at \$7.50 per 100. \$5.00 per 1000. 500 Boston Market, 400 Enchantress No. 1, 200 Penn. 400 Queen, 200 White Lawson: \$4.00 per 100. \$25.00 per 1000. Also 400 Grafted Bride Roses at \$10.00 and 300 Pres. Cannot at \$4.00.

**WORCESTER CONSERVATORIES**

L. C. MIDDLEY, PROP.

Worcester, Mass.

## A. N. PIERSON, Inc.

CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

# ENGRAVINGS to ILLUSTRATE your CATALOGUES and ADVERTISEMENTS

in ONE or MORE COLORS

(The Plates We Furnish are for Use on a Type Press)

We would call your special attention to our MULTI-COLOR PLATES which are produced direct from the copy which is in one color. Send stamp for circular "How to print our Multi-Color Plates."

**CATCHEL & MANNING** Established 1889  
**DESIGNERS ILLUSTRATORS ENGRAVERS**  
 for all commercial purposes.  
 Nos. 27 to 41 S. 6th Street, **PHILADELPHIA**

## ROSES

Own roots. Propagated from grafted stock. Strong plants.

**MAIDS and BRIDES**, 3 inch pots. \$4.00 per 100; \$35.00 per 1000.  
**WELLESLEY and ONE de WATTEVILLE**, 4 inch, \$5.00 per 100.  
**MME. CHATENAY**, 4 inch, \$5.00 per 100; \$45.00 per 1000.

### CHRYSANTHEMUMS

**Touset, Maude Dean, Balfour, Pink Ivory, Oct. Frost, Fingehard**: 2½ inch pots, \$3.00 per 100. Strong plants, not pot bound.

**S.J. REUTER & SON, Inc., Westerly, R.I.**

## ROSES

Strong, Clean Stock. Grafted, Killarney, Richmond, Brides and Maids. \$12.00 per 100, \$110.00 per 1000. Own Roots, Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond. \$6.00 per 100, \$55 per 1000. All from 3½ in. pots.  
**P. R. QUINLAN, Syracuse, N. Y.**

**Hardy Rhododendrons, Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK**, 216 Jane St., Weehawken Heights P. O. No. 1, Hoboken, N. J.

## ROBERT CRAIG CO.

### ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

**JAPANESE**  
 THE YOKOHAMA NURSERY CO. NEW YORK.  
 31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

### COCOS WEDDELLIANA

2½ in. pot, 8 to 10 in. high ..... 10 cents each  
 2½ in. pot, 10 to 12 in. high ..... 15 cents each

### KENTIA BELMOREANA

	Each	Doz.
6-in. pot, 6 to 7 leaves, 20 to 24 in.	\$1.00	\$12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in.	1.25	15.00
6-in. pot, 6 to 7 leaves, 26 to 28 in.	1.50	18.00
7-in. pot, 6 to 7 leaves, 30 to 36 in.	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in.	2.50	30.00
9-in. tub, 6 to 7 leaves, 42 to 48 in.	5.00	60.00

### KENTIA FORSTERIANA

	Each	Doz.
6-in., 5 to 6 leaves, 28 to 30 in....	\$1.00	\$12.00
6-in., 6 leaves, 30 to 34 in.....	1.25	15.00
6-in., 6 leaves, 34 to 36 in.....	1.50	18.00

### KENTIA FORSTERIANA

#### Made Up Plants

	Each	Doz.
7-in. pot, 4 plants to pot, 34 to 36 in.	\$2.50	\$30.00
9-in. tub, 4 plants to tub, 42 in....	4.00	48.00

**JOSEPH HEACOCK COMPANY, Wyncote, Pa.**

## JOHN WATERER & SON, Ltd.

**American Nursery Bagshot, England**

Are Specialists in the

### REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

## HARDY NORTHERN GROWN NURSERY STOCK

At Reasonable Prices

**FRUIT AND ORNAMENTAL TREES, SHRUBS, VINES, ROSES AND HERBACEOUS PERENNIALS IN GREAT VARIETY**

Catalogue and Price List for the asking

**BAY STATE NURSERIES, NORTH ABINGTON, MASS.**

### The Roses that Win

**MRS. POTTER PALMER, CARDINAL American Beauty and Other Standard Varieties.** Rooted from Our Famous Stock. Send for Prices.

**POEHLMANN BROS. CO.**  
 Morton Grove, Ill.

## ROSES

A SPECIALTY

**The Dingee & Conard Co.** West Grove PA.

### EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
 3 in. splendid stock, \$4 per 100, \$40 per 1000.

**The E. G. HILL CO., Richmond, Ind**

### AMERICAN NURSERY CO., COMBINING

**FRED'K W. KELSEY, New York City**  
**F. & F. NURSERIES, Springfield, N. J.**  
**BLOODGOOD NURSERIES, Flushing, L.I.**  
**N J & L I. NURSERIES**

We can supply your every need. Write for prices  
**Sales Department**

**150 BROADWAY, - NEW YORK**

**In writing to Advertisers kindly mention Horticulture**

## Notes from the Arnold Arboretum

Among the handsomest shrubs blooming in mid-summer *Aesculus parviflora* (*A. macrostachya*) is to be classed; it is the latest of all the Buckeyes to flower and is now covered with its slender cylindric spikes of white slightly fragrant flowers furnished with long protruding stamens which give the whole inflorescence a light and graceful appearance. The spikes, often more than a foot in length, are borne well above the bright green foliage and remain in bloom for several weeks, as the flowers expand gradually from the base upwards. The dwarf Buckeye is an excellent shrub for borders of shrubberies or for planting as single clumps on the lawn, as it assumes when standing alone a regular dome-shaped habit, the lowest branches almost horizontal and meeting the greensward and the central stems growing upright. Though a native of the southern Alleghannies it is perfectly hardy in the neighborhood of Boston.

Another southern shrub hardy in this section of the country, but rarely seen in gardens is *Stuartia pentagyna*; it bears white cup-shaped flowers from two to three inches in diameter with prettily fringed petals, but as the flowers are not produced very freely and are sometimes partly hidden by the foliage, they are not as effective as one would imagine from the size of the flowers. It is interesting as being besides the Japanese *S. Pseudo-Camellia* the only representative hardy in our climate of the subtropical Tea-family.

Several species of St. Johns-wort are now showing their golden yellow flowers; the largest flowers of all, measuring two inches in diameter, has *Hypericum aureum*, while *H. prolificum* has somewhat smaller and *H. Kalmianum* still smaller flowers; the smallest only about one-half inch in diameter, has *H. densiflorum*, but they are arranged in larger and dense clusters to make up for their smaller size. These shrubs rarely exceed three feet in height and are well suited for borders of shrubberies which they will brighten up during late summer with their golden flowers; they prefer light and sandy soil and grow well in partial shade.

Another shrub now in bloom with yellow flowers is the well-known native *Potentilla fruticosa*. There is also a closely allied white-flowered species, *P. davurica*, but it does not flower very freely and one rarely sees it in good shape; it usually looks more or less ragged. A hybrid between the two species, *P. Fridrichsenii*, resembles much *P. fruticosa*, but has paler flowers and a somewhat more spreading habit.

*Sorbaria Aitchisonii* (*S. angustifolia*) is certainly much more graceful and handsomer than the old *S. sorbifolia* and equals in beauty the tender *S. Lindleyana*. It is a shrub attaining six feet in height or more, of

rather loose and open habit with graceful light green foliage and the usually red colored stems topped by ample and lax panicles of white flowers. It is, however, not perfectly hardy here, but if partly killed in more severe winters, it sprouts again vigorously from the base.

A shrub of about the same hardiness is *Vitex incisa*, the hardiest species of the genus; it is a graceful shrub with finely cut foliage and large and lax panicles of lilac flowers.

The trailing *Rosa Wichuraiana* follows in time of flowering the Prairie-Rose and is now very beautiful with its clusters of large white flowers and its glossy dark green foliage. It is well suited for trellis-work as a climber and for covering rocky and gravelly banks.

As one of the most showy of the late flowering climbing shrubs the Trumpet Vine, *Tecoma radicans*, is to be mentioned, which is now beginning to expand its large trumpet-shaped orange and scarlet flowers borne at the end of nodding or pendulous branchlets. It is excellent for covering rocks and walls to which it fastens itself by means of aerial rootlets or it may be allowed to climb into trees, as it usually does in its natural state. *Tecoma hybrida*, a hybrid between *T. radicans* and *T. chinensis*, does not climb high, but usually forms a spreading shrub with arching branches in the manner of the Blackberries, its flowers are borne in larger panicles and are shorter and wider; it is sometimes cultivated under the name *T. radicans grandiflora atropurpurea*.

Among the late flowering Honeysuckles *Lonicera Heckrottii* and *L. plantierensis fuchsoides* may be named as some of the best. The former is similar to *L. Caprifolium* or *L. Periclymenum*, but more free-flowering, though without fragrance; the two-lipped flowers are pink and yellowish. The second resembles *L. sempervirens*, but the scarlet flowers are slightly two-lipped and appear in greater profusion. Both are supposed hybrids of garden origin; the first between *L. sempervirens* and *L. italica* and the second between *L. sempervirens* and *L. hirsuta*.

A native shrub rarely seen in gardens and parks, but very handsome in its fruiting state is the Mountain Holly, *Nemopanthes mucronata* (*N. fascicularis*); its dull crimson fruits have about the size of a pea and are hanging on slender stalks from the branches between the pale green foliage which turns yellow in fall. Like other Hollies it is polygamo-dioecious and care must be taken to select fertile shrubs for planting to enjoy the ornamental fruits.

*Alfred Rehder.*

## THE CONVENTION NUMBER

Will be Issued August 15, 1908.

**T**HIS Annual Special Issue of Horticulture has proved to be a good business getter. It is circulated freely at the S. A. F. Convention and is also distributed by mail to a large number of new addresses. Open the fall season with a special advertisement. S. A. F. business is worth having.



# HORTICULTURE

VOL. VIII

JULY 18, 1908

NO. 3

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.,  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Fruit Growing in Snake River Country, Ida.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	65
ABOUT IRIS—John Thorpe	67
ROSES UNDER GLASS—J. E. Simpson	67
GREENWOOD PLANTATION—A. J. Loveless—Illustrated	68
SOME NOVELTIES AT A LONDON SHOW—Thos. Bunyard	69
AN AZORES LILY FIELD	69
A FAMOUS AVENUE—Wm. McM. Brown—Illustrated	70
AN APPLE OF GOLD	70
AQUATICS AT RIVERTON—G. C. Watson	71
NOTES FROM THE FRANCO-BRITISH EXHIBITION—Edgar Elvén	71
NEWS OF THE CLUBS AND SOCIETIES:	
The Great S. A. F. Trade Exhibition—Society of American Florists—St. Louis Florist Club—Pittsburg Florists' and Gardeners' Club—Nassau County Horticultural Society—Gardeners' and Florists' Club of Boston—Ladies' Society of American Florists Club and Society	72
Notes	73
DURING RECESS:	
New Orleans Horticultural Society—Where Chicago Rusticates—Detroit	73
OBITUARY:	
Rudolph Reynders—James Cole—Isabelle D. Poynter—Carl R. Pfenning	73
SEED TRADE:	
Wholesale Seedsmen's League	74
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Philadelphia, New York	81
MISCELLANEOUS:	
A Song for July—Poetry	69
Bermuda and Japan Lily Bulb Prospects	69
Primula obconica outdoors	69
A Useful Instrument	69
Publications Received	71
A Valuable Heating Appliance	74
The Tower Hotel—Illustrated	74
Greenhouses Building or Contemplated	74
U-Bar Recommended Abroad	74
Catalogues Received; List of Patents	74
Movements of Gardeners	75
Personal; Steamer Departures	78
Business Changes; News Notes	79
Philadelphia Notes	81

### The waning of Bridesmaid

The past year has shown a big change in the relative standing of the Bridesmaid in the rose markets. In some quarters this once peerless variety has been almost abandoned and in others where it is still grown in quantity its largest sale has been through the street traders, at prices so low that it is not surprising that those who have been growing it heretofore are

disposed to cast around for something more remunerative. Killarney in the meantime has bounded ahead and large as was the quantity of this variety grown last year, the crop of the coming season will be far in excess. Whether the substitution of the latter for Bridesmaid as the leading pink commercial rose is to be permanent or merely transitory remains to be seen. It is not at all likely that any one rose will ever again hold the position of exclusive pre-eminence for so long a time as Bridesmaid has. The production of new roses as an occupation is now well started in this country and we shall have new claimants for popular favor in constantly increasing ratio from now on. On the advancement made in the essential qualities will depend much the ultimate fate of Bridesmaid and Killarney as well. But having once become used to a wider choice of varieties it is not to be expected that the flower buying public will henceforth be disposed to limit their favor to any one, two or three sorts as they have in the past.

### A garden empire

To the majority of HORTICULTURE's readers the cover illustration which we present this week will seem a very long distance view. We of the extreme East have very little conception of the vast horticultural resources which are being developed with astounding rapidity in the far-away western sections of our great country. The fruit industry of California long ago outstripped in value that State's product of gold. The State of Washington is rapidly developing on similar lines and encouraging the development with a munificence that is bound to make the whole world "sit up and take notice." Our columns this week tell of the great apple show at Spokane for which plans are now being made, where upwards of \$25,000 in premiums are to be distributed and an apple of solid gold given for the most beautiful specimen apple. At the present moment a "Cherry Fair" of great magnitude is in progress in the neighboring State of Oregon. All over the great Northwest are hybridizers at work trying to evolve hardier, more vigorous and more luscious fruits, inspired by the same spirit that animated the Wilders, Mannings and Hoveys in the days of the shaping of New England horticulture. Across the continent New England sends greetings and good cheer to the horticulturists of the Pacific slopes who are turning hundreds of thousands of acres of splendid land into a garden empire such as the world has never known.

### A square deal for the wild birds

We find in our agricultural exchanges frequent communications from their readers on the bird problem, some farmers and the majority of the small-fruit growers in certain states, where fruit growing is an important industry, having no patience with the efforts being made by nature lovers, humanitarians and the advocates of the birds as insect destroyers, and telling pathetic stories of the wholesale destruction of the product of their labors by the feathered tribe. The fruit farmer has, undoubtedly, much to provoke him and it is only natural that he should feel resentful under such aggravation, but the birds must be protected, for the dire results of the depletion of insect-eating birds are now too well proven and it is not likely that the public will tolerate any further slaughter such as has been going on heretofore. There is one remedy against the bird onslaughts on cultivated fruit which we think has not thus far been given proper attention, that is, the planting of wild fruiting trees and shrubs, selecting those sorts that ripen simultaneously with the cultivated crops. Much has been writ-

ten in advocacy of bright fruiting shrubbery for ornament but there is this other reason for their planting which is well worth considering. Provide wild cherries and such things in abundance in the hedge rows, by the roadside and in other spare places and we believe much of the cause for complaint will have been removed.

## Roses Under Glass

CARRYING ROSE PLANTS OVER

It is often more profitable and convenient to carry a house of roses over a second season than to replant with young stock, particularly if, for any reason, we find that we cannot replant until late in the season.

To be successful, this process requires careful preparation and intelligent handling. Plants in table benches, where conditions relative to root action are readily controlled, may be ripened in about ten days, but where the plants are in solid beds or benches it is advisable to begin early as the work of ripening the wood requires a longer period.

Begin by gradually withholding water from the roots and allowing the soil to become moderately dry before giving another supply. After five or six days of this treatment the plants will get all the water they require from the syringe which must be kept going in order to keep down red-spider, which must not be allowed to increase, as the full complement of leaves is required to complete the ripening process.

The soil must not be allowed to become so dry as to cause the young wood to wilt or the plants to shed their leaves. It will often be necessary to touch up those places which, being exposed to the direct rays of the sun, or from other causes, show a tendency to bake. Air must be given freely, both night and day, as it is an important factor in hastening the ripening. It requires about three weeks to properly ripen plants in solid benches. As soon as the plants are sufficiently ripe they should be carefully pruned, removing all the dead and very weak wood and cutting back the strong shoots to five or six eyes, and just tipping the very young shoots. If the plants are to occupy the same benches remove as much of the old soil as can safely be done without injury to the roots, then give an application of bone meal, and fill up with a good rich mixture of soil and manure.

The work of transplanting old stock entails a deal of labor, and, unless every precaution is taken to insure its being carried forward as expeditiously as possible, does not always prove successful. It is well, before attempting to remove the plants from the benches, to give the soil a good watering to render it plastic, so that a good-sized ball may be taken with each plant. Each plant should be encircled by a piece of string or raffia and all the shoots drawn rather closely together; by this means it will be possible to convey them to their destination without leaving half of them hanging to projections along the wayside, also it will greatly facilitate handling by the men engaged in planting.

As soon as a bench is planted it should be well watered and sprayed and in very bright weather the spraying should be done every half hour, for the first two days. In fact it is sometimes necessary to spray thus frequently for five or six days, using an exceedingly fine nozzle so as to get as little water to the roots as possible.

## About Iris

Iris means "Rainbow" and that means all the colors there are. Twenty years ago, in our Queens catalogue I prefaced our Iris section thus: "The orchids of open air gardens are the Irises. If there are any more beautifully illustrative of form, more cheaply obtainable, more easily cultivated, more continuous in flowering than is the Iris that family has not yet come under our observation." This 10th of June, 1908, I would not change a single line.

We know it takes time to start again old-fashioned things, peonies, and phloxes and delphiniums for instance, reference to which I hope to take up later, and now the Iris begins to shimmer in the limelight, so much so that it may be expected to be one of our next first numbers. This Iris family should have more told of it than there is time and space at my disposal today.

Some good every day German Irises are Sapho, violet and deep purple, early, distinct; three or four kinds travel for Sapho; fifteen or twenty kinds carry this name. Augustina, yellow and maroon. Eugene Sue, white and purple. Gertrude, violet blue, new and distinct. Gracchus, yellow and brown crimson. Celeste, pale blue, sweet as a gardenia. Jaacquesiana, maroon, bronze and crimson. Sans Souci, gold and mahogany, a gem. Judith, purple, sulphur and violet. Duchesse de Gerolstein (Harlequin Milanais), white, flaked and reticulated, a fine old variety. Dalmatica, lavender, tall; this has about twenty names. Madame Chereau, a gem amongst gems; pure white, cerulean blue and Tyrian purple, so beautiful and yet not young; has many names,—twenty or more. Fairy (?), white with violet veiling. Darius, yellow, purple shading to cream. Ulysee, bronze, purple and gold and drab. Speciosa (catalogue), lavender and dark purple, large grower. Sir Walter Scott, yellow, brown and rich crimson. King Henry, deeply colored, crimson, purple and yellow. Leopold 1st, amaranth, yellow and smoky bronze. Peterson Harlequin Milnais is the glorious old Duchesse de Gerolstein.

The Iris man, after he has become acquainted with the preceding varieties will be looking for more and more, providing always that there is accommodation for the same. Everybody should have Florentina, with all the grace, beauty and expression of everything charming; colors, are white, lavender, green, brown and yellow. I know that this old dear thing is carrying twenty names; some of them are Chameleon, Peacock, Iridescence, Multicolor, Western Glow, and the glorious old favorite has stood its ground since 1596 and it is the same Florentina. Chamoeris Olbiensis, purple, white and gold, dwarf, flowers in April. Guldenstadtiana, white and gold, tall, June. Iberica, purple and lilac and coffee color, May and June. Laevigata (Kaempferii), the Japan Iris; the 4th of July banner flower, one hundred distinct kinds. Pumila, dwarf, purple, blue and white, April. Siberica in various colors, tall and graceful, May and June.

Another class of Irises is the Niphions, including alata, caucasica, filifolia, Histrio, juncea, persica, reticulata, tingitana, vulgare and xiphoides. This section of Niphions have bulbous roots and they are rather more delicate than the ordinary above-ground rooters.

Somebody some day will write a popular Iris book.

JOHN THORPE.

*J. E. Simpson*

*John Thorpe*

## Greenwood Plantation

So much has been written of the many beautiful places located in the north, that it was a most pleasant experience in early March, to leave the snow and ice behind, and in twenty-four hours being transported to a land of flowers, birds, and sunshine.

About 200 miles west of Savannah, lies Thomasville, Ga., and here it was my pleasure to visit Greenwood Plantation, a truly southern estate.

The approach leads through the pine woods and, while yet some distance away, the several tall pines just inside the beautiful iron entrance gates, can be seen standing like sentinels against the sky, but upon entering, the attention is rivetted upon the masses of color along the drive, some two hundred feet back, produced by massing Indian azaleas, single varieties, in large patches of one color. Here several thousand plants have been used from pure white to fiery red, through all the intermediate shades of color, and the magnificent result beggars description.

Large beds of cacti and the tall *Yucca aloifolia* looked handsome along the borders of the drive, while young trees of the native *Magnolia grandiflora* recently planted, gave promise of a future beautiful avenue of this state-ly evergreen.

Through trees laden with blossoms, and grand specimens of live oak, with English ivy hanging in festoons from the trees, and across a formal rose garden filled with the choicest roses, could be seen the house, with its pillars covered with Cherokee roses, and set in a garden of the fairest flowers. Blue single violets filled the air with their delightful fragrance, and many varieties of narcissus and hyacinths filled the flower beds, while large bushes of camellias fifteen to twenty feet in height and as much in diameter, *Gardenia florida* nearly as large, *Magnolia Soulangeana* and *M. Alexandrina*, the double flowering *Prunus persica* in white and pink, *Exochorda grandiflora*, *Cercis canadense*, and *Wistarias* covering several large trees, whose beauty no extravagant description could possibly exaggerate, formed a setting truly marvellous. Many beautiful native palms formed grand specimens on the intensely green



Bed of *Yucca aloifolia*.

lawns, while *Cycas revoluta*, several planted together, made a unique bell. *Berberis japonica* crowned with large clusters of its metallic colored berries, *Aucuba laurels*, green and variegated, extremely well berried and the large leaved English laurel, were happily grouped, giving character and beauty to the individual plants. Large bushes of the sweet olive, *Olea fragrans*, filled the air with its sweetness, and carried on the warm breezes, the whole vicinity seemed filled with its subtle enchanting fragrance. The ligustrums here are evergreen and make fine, natural specimens, and when trimmed into shape take the place of baytrees.

A sunken terrace with fountains and marble figures, mar to some extent the natural features of this beautiful place, but when tastefully planted it will eventually become attractive. At one end of this terrace still hangs the old bell, which formerly called the slave to labor, a relic of the past, but a forcible reminder of the changed conditions which exist today, where kindness of heart prompts every action, and the comfort of every employe is an important factor in the quiet contentment so apparent on every

hand. Side by side with the old bell floats the Stars and Stripes, and the only one I saw in Georgia.

A drive through the plantation with its miles of neatly kept roads and bridle paths was indeed a pleasure. The yellow jasmine, *Gelsemium sempervirens*, covered the tree tops and every available support with its garlands of golden yellow fragrant flowers, forming the most graceful arches and bowers such as nature only can produce, and the floral effects were indeed surpassingly beautiful.

The tall pines are a feature of this place, as here are to be found some of the finest specimens of the long needle pine in southern Georgia; the saw-mill has been kept away, and every tree is considered almost a personal friend. Raising their bare trunks seventy-five feet or more in the air, with a diameter of three to four feet at the base, stand these magnificent monarchs, their beautiful green heads, waving and shining in the sunlight, and sighing in the breeze, are recollections which cling to one's memory. Underneath these tall pines the ground is almost covered with palmettos, which grows everywhere in abundance.

The baby pines of a beautiful, refreshing green color, are found scattered between trees of mature growth, or assembled in colonies, the nurseries of future giants. Here and there in the more thickly wooded parts, the vegetation becomes more varied. Here we find a splendid example of the evergreen *Magnolia grandiflora* fifty to seventy-five feet high, its bright green leaves shining in the sun; these are quite numerous, and when in bloom must be a beautiful sight with their large white fragrant blossoms. *Cercis canadensis* is quite common through the woods, betraying its presence with its deep, pink blossoms, while bushes of the white hawthorn flower in close proximity, the contrast making a delightful picture. Large clumps and many beautiful isolated plants of the wild azalea with its gloriously pink sheets of dogwood in all its purity, by its very abundance, was a sight one blossoms, growing in all its natural beauty amid surroundings calculated to enhance its magnificence, and white could never forget; its memory lingers



Greenwood, Front View.

and my visit will ever be a sweet recollection.

The walled vegetable garden of about four acres contained abundant supplies of the choicest vegetables, with every modern convenience for producing the best, and the model farm with its modern conveniences up-to-date machinery, fine stock and good buildings, neat and cleanly in every detail, was a feature which surpassed many of the finest show places in the north. This beautiful place is owned by Col. O. H. Payne, of New York.

A. J. LOVELESS.

Lenox, Mass.

#### SOME NOTABLE NOVELTIES AT A LONDON SHOW.

At the R. H. S. exhibition in Vincent Square on June 23, special certificates were offered for novelties but purely new things were few and these mostly confined to orchids and stove plants.

*Eremurus Elwesianus* is a very fine hybrid, having immense spikes of deep salmon flowers with conspicuous bead like centres. It is extra vigorous, and hardier than its parents.

Veitch & Son put up a basket of a good double golden *Begonia* "Col. Lausdat" which took an A. M. The firm also had plants of *Gloxinia* X *Gesnera*, but not of great merit or utility, *Kalanchoe flammea* and *Kewensis*, and cannas of quite new shades.

House-grown sweet peas were shown, the finest scarlet to date being probably "The King" (Dobbie) not yet sent out. G. Mount showed the new hybrid tea rose "Joseph Lowe"; it is very fine. Godfrey had decorative *Pelargoniums* *Devon Lass* and *H. S. Davey*, two most striking.

T. Ware had *Delphinium* "Pole Star" a good and free white and Yvette Guilbert a lovely double silver grey. Paul put up several boxes of the new hybrid sweet briar "Refulgence" which received A. M. and the same award fell to roses *Hugo Rollen*, (*Marie van Houtte* X *Homere*), which should prove useful. *Spirea* *Peach blossom* was shown by several growers; it is the best of the soft rose colored sort and took a gold medal. Cutbush & Son also showed the baby rambler *W. H. Cutbush*, of doubtful merit or utility. H. Cannell showed two boxes of good roses but on the moss in the old style, which will not do, now that the Americans have shown us how to grow fine flowers on yard-long stems.

THOMAS BUNYARD.

#### A SONG FOR JULY.

'Tis the noon of the year.  
As a toiler, oppressed  
By the labor and heat,  
Folds his hands on his breast,  
Drawing strength from his dreams,  
Lo! the earth swings at rest  
In the noon of the year.

'Tis the noon of the year.  
Ere it pass to its wane,  
Over full-blossomed trees,  
Over yellowing grain,  
Earth, the toiler, a-drowse,  
Must revive him again  
In the noon of the year.

'Tis the noon of the year.  
Come, be one with it, sweet!  
Love in idleness calls  
Through the languorous heat,  
Where the dream poppies nod  
In the wind-wimpled wheat,  
In the noon of the year.

-T. A. Daly, in *Catholic Standard and Times*

#### AN AZORES LILY FIELD.



Our illustration shows one of the lily fields at Lagoa. The crop this year is not believed to be very large owing to much dry weather. The last rain that we know of was the 17th of April. This grower writes, however, that next year he will probably grow many lilies at Ribeira Grande, a small village on the island, because the grounds there may be irrigated. Most of the lilies are now grown at Lagoa, but it is very difficult to irrigate the land there because there

is not sufficient water and it is necessary to carry it to the fields.

Mr. R. M. Ward, to whom we are indebted for the photograph, informs us that shipments are expected a little later this season than usual because the direct steamers to New York have mostly been removed from service during the hot weather, and the Boston White Star Line does not get freight enough to make the Azores a port of call. The goods therefore will likely have to be shipped either via Liverpool or via Lisbon.

Very fine nerines and agapanthus are also grown in the Azores.

#### BERMUDA AND JAPAN LILY BULB PROSPECTS.

Advice from Bermuda says that the *Harrisii* crop is quite a failure and deliveries are being made in 7-9 at about 50 per cent. basis, whereas 9-11's only about 10 per cent. Dry weather is given as the cause—bulbs after digging prove 4-5 instead of 7-9 as expected.

We also have just received word from Yokohama that the so-called "Formosa" lily, grown in Oshima, will be about 50 per cent. delivered. The first lot was shipped from Yokohama on *Empress of Japan* on the 13th of June. This is very early and we can only hope the bulbs are ripe enough to be planted. In fact, it is much earlier than they are needed. *Formosas* arriving here a month later we believe will be better.

The shortage of *Harrisii*, Azores and *Formosas*, and the probable shortage of *Giganteum* will certainly bring the *Multiflorum* back into favor by force. The *Multiflorum* are said to be improved this year and much better selected.

Cold storage lilies have apparently "caught on" and are already a big item in the bulb business. A. T. Bodington disposed of 40 cases last week.

#### PRIMULA OBCONICA OUTDOORS.

A correspondent inquires whether any reader of *HORTICULTURE* has had experience with *P. obconica* as a summer bedding plant. No one appears to have tried it in this country but the following taken from "The Garden," London, may throw some light on the subject:

"Having read in your 'Answers to Correspondents' for June 20 a note on planting *Primula obconica* out of doors, it may interest you to hear that in the spring of 1906 I planted out in a border facing north two of these plants which had been flowering indoors. This was done experimentally, and I do not expect them to live through the winter, but both plants survived the winter of 1906-7, and when I was last at home I noticed that one of them was not only alive, but making fair growth and showing bloom. The position was fairly sheltered, but more exposed to a north-east wind than any other. The garden I am speaking of is that of Overbury Hall, Layham, Suffolk, and stands on rising ground exposed to the east and south, but is fairly sheltered by trees.

T. H. DIPNALL.

#### A USEFUL INSTRUMENT.

One of the most useful instruments at the disposal of those who have any levelling or laying out of land to be done for any purpose is the Bostrom Farm Level advertised in another column in this paper. Every time a new house is contemplated this excellent substitute for expensive surveying instruments will come in useful. The cost is within the reach of all.

## A Famous Avenue



After the Storm.

The complete destruction of the magnificent avenue of lime trees on King Edward's Sandringham estate, about which a short note appeared in an issue of *HORTICULTURE* last spring, removes what is probably the most famous and widely known avenue of trees in Great Britain. Every year thousands of people are attracted to this beautiful, picturesque corner of East Anglia to see the magnificent oaks which abound in the deer park, and also to see the more interesting memorial trees of which there are several hundred planted on the lawns and driveways throughout the estate.

There are three avenues at Sandringham, all more or less interesting to the visitor. First we may see the Princess' Drive, a beautiful avenue winding through some fine woodland. We then come to the more modern Coronation avenue, which is close upon two miles long. It is interesting to know that the entire cost of making and planting this avenue was defrayed by the farmers and tenants on the estate, who wished to show in this useful way the esteem in which they held their "Royal Landlord." At the commencement of this avenue we notice that some of the young oaks were planted by King Edward, Queen Alexandra, the Prince and Princess of Wales, the King and Queen of Norway, the King of Greece, the German Emperor, the late King of Portugal and many other eminent men and women.

In these few notes, however, it is more with the main driveway, or Norwich avenue, that I would deal. It is indeed hard to believe that those venerable trees, which had weathered the storms and gales of centuries, were completely wrecked in the brief space of two minutes. Yet it is so; the glorious limes are no more as a clump at the accompanying photograph will show. No more will the tourist pay homage to their impressive grandeur, yet we may say that while its beauties are but a memory its name is immortal.

During the time of the Saxons, it

appears that most of the land in the vicinity of Sandringham belonged to the bishops of East Anglia, and even at the present day we may see some fine old oaks in the pleasure grounds and in the great deer park which were planted by these owners. History also tells us that a residence existed on the present Sandringham site during the stirring lifetime of William de Albini and Walter de Montalt, and it is quite possible that many of the fine trees, which grace the Royal estate today were planted by those gentlemen.



Before the Storm

Since these early days, however, the estate has changed hands many times.

In the year 1862 it was bought by the present King of England, and ever since has been his home, in the truest meaning of the word. We know the King to be a most enthusiastic gardener, a sincere admirer of the beautiful in nature and in art, and the loss of these noble trees must have been a matter of considerable regret to him. We may take it for granted that in the near future a new avenue will be made and fresh trees planted. Let

us hope that they may live, and flourish.

"Yes, while on earth a thousand discords ring,  
Man's fitful uproar mingling with his foil,  
Still do thy sleepless ministers move on,  
Their glorious tasks in silence perfecting,  
Still working, blaming still our vain turmoil  
Laborers that shall not fail when man is gone."

WM. McM. BROWN.

North Easton, Mass.

### AN APPLE OF GOLD.

Paris awarded a fruit of pure Hesperian gold to Venus as the fairest of the Olympian divinities gathered at the bridal of Peleus and Thetis, and this so inflamed the jealousies of Juno and Minerva that they did not cease their machinations until Troy was destroyed.

The National Apple Show Association of Spokane, of which Harry J. Neely is secretary and manager, purposes awarding an apple, molded of virgin gold, dug out of the hills in the Spokane country, to the grower showing the most beautiful specimen of fruit at its first annual exhibition in Spokane, Dec. 7 to 12; but instead of bringing about discord, as it is recorded followed the judgment of Paris in disposing of Eris' gift, it is designed that the award of the 20th century shall be the means of placing the apple in its rightful classification—as the emperor of all fruits.

Modern history contains no reference to a similar award and for this reason, in addition to the intrinsic value of the trophy, it is believed the announcement of a prize of a golden apple will be the means of bringing to the Spokane show the best specimens of the skill of the foremost growers, not only in America but from various parts of Europe, as well as buyers from the Orient and the Islands and other countries.

National attention is already directed to the festival next December, and the inquiries from eastern, middle-western, southern and Pacific coast states and from the various provinces in the Dominion of Canada, so far received by Mr. Neely, indicate that already preparations are being made by growers in numerous districts to compete in practically every class, ranging from the best single apple to car-load lots.

The prize list yet in the preliminary state of its preparation, will be the largest and most comprehensive offered anywhere in this or any other country in the world. Not less than 10 tracts of land, and at least \$25,000 will be offered in premiums.

### "RESULTS."

Here is the story briefly told by an advertiser who offered geraniums and chrysanthemums in *Buyers' Directory*, July 11th issue of *HORTICULTURE*.

Somersworth, N. H.

"Results: goods sold. Thank you."

G. S. RAMSBURG

### "GOOD SATISFACTION."

Northboro, Mass., July 14, 1968.

"Your publication has given good satisfaction. Shall use your columns again soon with advertisement. Many an issue is worth more than the year's subscription."

J. L. MOORE.



## AQUATICS AT RIVERTON.

The use of aquatics in general gardening has been rapidly extending during the past decade. The general impression used to be that most of the rarer and showiest of the family were hard to cultivate and many of them far too tender for our northern latitudes, but thanks to the efforts of firms like Dreer's and the better class of horticultural papers, a fuller knowledge of them is now widely disseminated.

A recent visit to Riverton emphasized the truth of this, as here can be seen in the ponds out-of-doors almost every known species of value, every one of them grown without artificial heat, except the Victorias, which are given about a month at the start. Given sunshine, water and plenty of rich soil, there are few classes of plants that will bloom so freely and continuously during the whole season as the aquatics. Under cultural practice in northern latitudes the family is divided into two classes, hardy and tender. The hardy varieties are treated the same as the native water lily (*Nymphae odorata*). The tender ones are grown indoors in pots or tubs until the water is warm outside, their after cultivation being the same as for the hardy sorts.

In the hardy group premier place is taken by the *nelumbiums*. These are perfectly hardy in the northern states and can be grown under the same conditions as the hardy *nymphaeas*. *Pekinensis rubrum* was in fine shape at the time of our visit (July 5th), bearing aloft its magnificent blossoms of rosy carmine which when fully expanded measured 10 to 12 inches across. To our mind this is the finest of the dark-colored *nelumbiums*. The outer petals are well reflexed, the foliage large and handsome. *Kinsliren* is a white variety, shaded pink, an early bloomer and flowers freely throughout the season. *Osiris* is a rich deep rose, the flower globular in form and it is also among the earliest and freest flowering.

The commoner varieties of the hardy *nymphaeas* are so well known that comment on them is superfluous here. Among the newer and choicer sorts W. B. Shaw is conspicuous. This variety has rosy pink flowers and is undoubtedly the finest of the *odorata* section. James Brydon is another superb variety, rosy crimson, with the reverse of the petals silvery. *Marliacea ignea*, flowers bright carmine, for size and substance is one of the best. *Pygmy Helvola* is a little gem; while the flowers are only about an inch or so in diameter they are of the purest and deepest yellow, swaying on the bosom of the blue water like flakes of virgin gold. It is exceedingly free flowering and altogether a most desirable thing. For a larger flowered good one there is *odorata sulphurea* with blossoms four to five inches in diameter. *Luciana* is a good soft pink and keeps its color right through the season. Among the white varieties nothing shows up better than *tuberosa Richardsoni*. It is pure white and quite double and bears immense globular flowers 8 inches in diameter.

The tender *nymphaeas* were as yet but sparingly in bloom, O'Mahua and George Huster being the only ones

we particularly noted. Both these are fine the latter deeper in color and perhaps the best of the two. These are the two fine reds. *Victoria regia* and *Victoria Tricolor* are promising well for a grand show later.

G. C. WATSON

## NOTES FROM THE FRANCO-BRITISH EXHIBITION.

In brilliant weather a very successful show was held in the Palace of Music, London, on June 24, 25, 26, under the auspices of the Horticultural section with Colonel Prain, director of Kew Gardens, president, and J. A. Alexander, secretary. It is seldom that a floral exhibition is favored with such a suitable setting; within and without the effect was extremely



Bedding at the Franco-British Exhibition by Messrs. Sutton

pleasing. It was a popular event and the building was crowded with visitors from all parts of the world. No extra charge was made and the flower show is one of a number of variations which will give the season ticket holder full value and interesting change. It was said that application for space was four times in excess of that available. A fair number of French growers were showing but it



Group of Japanese Maples by W. Fromow &amp; Sons

could not be regarded as a competitive test between the two countries; a number of prominent French horticulturists with their ladies were entertained by the Royal Horticultural Society on the 22nd. The spirit of the "Entente Cordiale" which this unique exhibition so happily illustrates had opportunity to show itself as a real binding force, linking together in social fraternity men who have mutual interests and aims. Orcaids were not largely shown; no doubt they were being held in reserve for the Holland House show. A very fine exhibit, staged in striking and original fashion was shown by Sir J. Colman, arranged in pyramid form which was boldly arresting, with the

advantage of a clear view of every individual specimen. It is a design well worth imitating, and well deserved the gold medal awarded. Carnations were a leading feature, American and Malmaison being represented in great array. *Begonia Lady Cromer* is worth a note as to the perfection of size and form; flowers a shaded pink. Messrs. W. Fromow & Sons' four groups of Japanese maples on either side of the entrance and exit doors were awarded a gold medal, the light character of the building showing up the colored foliage with good effect. The visitor to the exhibition itself will find much to please in floral designs. The sub-tropical and ordinary bedding has been well carried out by Messrs. Sutton and Carter & Co., French roses in immense quantities are bedded out and showing well for a bright display in a month's time. The Australian Court is rich in palms and native plants and a very fine rockwork effect is well constructed of native ferns. Another horticultural show here is proposed for September 30, October 1, 2, 3, of an open character largely devoted to fruit and vegetables.

EDGAR ELVIN.

## PUBLICATIONS RECEIVED.

The Sugar Beet Seed Breeding Station of Wohanka & Co., Prague, Austria, have sent out through their American agent, Chas. W. de Rekowski of Detroit a very comprehensive volume of 45 pages and eight full-page plates on the improvement and culture of the "Perennial Seed Beet."

Bulletin 117, issued June 1 by the West Virginia Agricultural Experiment Station is devoted to the tomato. It contains notes upon the history of the tomato, the development of modern forms, breeding new varieties, field culture, winter culture, and financial returns. Two full-page illustrations show the system of growing under glass and single-stem training.

The Report of the Secretary of Agriculture on the Southern Appalachian and White Mountain Watersheds recently issued treats on their commercial importance, area, condition, advisability of their purchase for national forests and probable cost. Two large maps accompany the report. The arguments presented in favor of protection of these mountain forests are very convincing and present facts that every citizen should know whether he lives in the territory under consideration or elsewhere.

Louisiana State Horticultural Society: Proceedings of the Fifth Annual Meeting held at Minden, La., February 20, 21 and 22, 1908. Among the interesting contents of this volume are addresses by J. E. Halligan on Fertilizers, Jas. A. Hearn on Transportation and Co-operation, Prof. Guy L. Stewart on Southern Horticulture, Wilmon Newell on Insects Injurious to Truck Crops (illustrated), A. H. Rosenfeld on Insects Injurious to Louisiana Fruits (illustrated), and C. W. Eichling on Cut Flowers for Profit in the South. The secretary's address is F. H. Burnette, Baton Rouge, La.

# NEWS OF THE CLUBS AND SOCIETIES.

## THE GREAT S. A. F. TRADE EXHIBITION.

Now that the spring rush of business and work is practically over thoughts will naturally turn to the annual convention to be held at Niagara Falls, N. Y., August 18-21.

The trade exhibition of which the management has been placed in my hands, will be as interesting and complete as in former years. Entries which have been made up to now bear me out when I say that I think this will even be the banner year for this branch of the S. A. F. convention. It will be worth while to travel a long distance to see all the good things that will be shown here. It is still five weeks to the time when all florists will wend their way to beautiful Niagara Falls, but already there are about fifty firms and individuals who have spoken for space and are making preparations to show their wares and products to the many visitors who will fill the large halls and rooms where the exhibition will be held. Among those already booked are the following:

	Square feet.
Altimo Culture Co.....	50
Boas & Co.....	55
H. Bayersdorfer & Co.....	400
Chas. D. Ball.....	100
Bobbin & Atkins.....	170
A. K. Banks.....	24
A. T. Doddington.....	150
J. L. Childs.....	120
Arthur Cowee.....	125
H. A. Dreer.....	400
Detroit Pottery Co.....	56
A. T. De La Mare Pub. Co.....	19
Foley Mfg. Co.....	80
Heineman Mfg. Co.....	200
W. C. Heller & Co.....	240
Ionia Pottery Co.....	100
W. F. Kasting Co.....	100
Kroeschell Bros. Co.....	100
J. C. Meninger Co.....	120
Henry F. Michell Co.....	40
The Morehead Co.....	19
H. D. Mann Co.....	84
W. A. Mauda.....	100
S. S. Pennek-Meehan Co.....	285
F. O. Pierce Co.....	64
J. A. Payne.....	510
F. R. Pierson Co.....	200
Quaker City Machine Works.....	24
Reed & Keller.....	400
M. Rice & Co.....	300
Schlöss Bros.....	150
Horticulture Pub. Co.....	19
Friendly & Schenck.....	25
Vaughan's Seed Store.....	200
James Vick's Sons.....	34
Weathered Co.....	100
Whilldin Pottery Co.....	50
Wertheimer Bros.....	250
Yness Garden Co.....	25

I have also had a number of inquiries for hotel accommodations, all of which have been put into the proper hands. From what I have observed by coming into contact with people interested in this meeting I feel sure that this convention will be up to the usual standard, the large Eastern cities will bring their regular quota and no doubt the West can secure good rates, so there should be no reason why the Falls will not see a record crowd of florists. Perhaps it would be well for all, especially those who travel in large parties and wish to stay together, to secure hotel room early.

CHAS. H. KEITSCH.

810 Main street, Buffalo, N. Y.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### Department of Plant Registration.

Peter Henderson & Co., New York, submit for registration the roses listed below. Public notice of such registration is hereby given and any person knowing the previous use of the names selected or of any other reason why registration should not be made, are requested to forward their objections to the undersigned.

Silver Moon: Cherokee by Wichuraiana—Soft, white, semi-double, flowers four inches across. Climbing habit.

Garnet Climber: Lucullus by Wichuraiana—Deep garnet red, double flowers in clusters. Climbing habit.

Dr. W. Van Fleet: Souvenir du Pres. Carnot by Wichuraiana—Light, rosy pink, double flowers. Climbing habit.

Radiance: Cardinal by an unnamed seedling—Brilliant, rosy carmine, fine buds, splendid habit and foliage.

W. N. RUDD, Sec'y.

July 10, 1908.

## ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held its regular monthly meeting on last Thursday afternoon in Bowman's Hall and the attendance was large. The trustees made a lengthy report regarding the annual picnic which takes place this week, Wednesday, in Normandy Park. State Vice-President John Steidle, of the S. A. F. next reported regarding transportations to the meeting at Niagara Falls and on a vote of the members the Big Four R. R. was selected, the rate being \$21.40 for the round trip and \$4.00 per berth each way. The party will leave here on the Knickerbocker special, Monday, August 17, at 1 P. M. and arrive at the Falls Tuesday at 8.43 A. M. Any one wishing to go with the delegation should send his name to John Steidle, Central, St. Louis, Mo., before the next meeting of the club. If enough make the trip to fill all the lower berths of a car a special will be at the club's disposal. The nomination of officers was next in order and resulted as follows: W. E. Young and Walter Retzer for president; Henry Emunds, Edwin Denker and George Augermuller for vice-president; A. J. Bentzen for secretary; J. J. Reneke and F. H. Weber for treasurer; Geo. Frow, J. F. Ammann, Carl Beyer and Charles Fulgraf for a three-year term trustee. The election will follow at the next meeting which will take place August 13.

The balance of the afternoon was taken up with discussions on important questions. The one of how to increase the attendance and the membership of the club received the most attention. During the discussion some valuable pointers were noted down by the trustees who were by a vote instructed to follow them out, starting with the next meeting, when things will be made so interesting that those who attend will not miss another.

## PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The club picnic June 25th was held in the grove of the Pittsburgh Rose and Carnation Co. The dancing and music was in the great barn of the Pittsburgh Rose and Carnation Co. and when the end came, as come it must to all good times, great hay wagons were provided to take the picnics to either trolley or steam cars as they might elect, and not the least of the fun was that hay wagon ride.

The regular meeting of the club was held July 7 and five new members were elected. There was a general exhibition of annual and perennial flowers, and a competitive exhibition among the private gardeners. Prize for best display of twelve varieties of perennials was awarded by the committee, Messrs. Clark, Elliott and Ferne, to Robert Lillie, gardener for Mr. Barnsdale, and the prize for best twelve varieties of annuals was awarded to Fred Wissenbach, gardener for W. L. Mellon. There was an interesting collection of wild flowers gathered by Mr. Fred Burki in Bakerstown. Phipps Conservatories, Schenley Park, J. W. Jones, foreman, showed fine sweet peas, and the G. R. Elliott Nurseries, Hills, Pa., showed a large general collection of perennials.

As committee in charge of transportation for the S. A. F. convention at Niagara Falls, the president appointed E. C. Reineman assisted by T. P. Langhans.

It was decided to hold no meeting in August, and the club adjourned to the first Tuesday in September.

H. P. JOSLIN, Sec'y.

## NASSAU COUNTY HORTICULTURAL SOCIETY.

The Nassau County Horticultural Society held its monthly meeting in Pembroke Hall, Glen Cove, on Wednesday evening. President Jaenicke occupied the chair. The minutes of the previous meeting were read and approved of. Two new members were proposed and three elected; also three ladies were elected honorary members. Wm. Mackenzie, chairman of the executive committee, presented a schedule for the fall show which was approved. Contributions of special prizes were offered by Stumpp & Walter Co., Peter Henderson & Co., and W. E. Marshall Co., New York; also W. H. Weeks, Sea Cliff. Several members also offered special prizes. It was voted that no member compete for his own prize, and the committee were asked to have a preliminary schedule prepared by the next meeting. It was also voted to have a Dahlia show in October. J. F. Johnston consented to read a paper on evergreens at next meeting. The awards on the exhibits by points were H. F. Meyer, corn, 81; Valentine Cleves, poppies, 71; Oscar Adder, rhubarb certificate of culture, yuccas honorable mention. An exhibition of evergreens by Mr. Johnston received a vote of thanks. Mr. Johnston gave an interesting talk on evergreens and

Mr. Adder told how he grew his rhubarb.

Judges for the fall show were announced as follows: Julius Roehrs, Sr., of Rutherford, N. J.; Robert Angus, of Tarrytown, and George Hale, of Seabright, N. J.

#### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual picnic of this club will be held at Pine Banks Park, Malden, Mass., on Wednesday, July 29. A great success is assured under the efficient management of the club officers and the following special committees:

Baseball captains: Private, R. W. Curtis; Commercial, F. E. Palmer.

Ring Master: W. J. Kennedy; starter, P. M. Miller; handicapper, Wilfrid Wheeler.

Judges: William Downs, T. J. Grey, E. Holmes, E. Johansson, P. J. Turley, Duncan Finlayson, Kenneth Finlayson and James Miller.

Refreshments: D. Finlayson, J. P. A. Guerineau, T. Pegler.

There are eighteen classes in the athletic sports for children and grown people.

#### LADIES' SOCIETY OF AMERICAN FLORISTS.

The secretary of the Ladies' Society of American Florists congratulates the members upon their prompt payment of dues. It shows her that all wish to vote, and expect to be at Niagara Falls in August.

MRS. C. H. MAYNARD, Sec'y.  
219 Horton Ave., Detroit, Mich.

#### CLUB AND SOCIETY NOTES.

The Albany Florists' Club contemplate an outing and clambake at an early date. Their next regular meeting will be at Patrick Hyde's, Aug. 6.

The Salem Cherry Fair scheduled to take place at Salem, Oregon, has been deferred till July 16, 17, 18, owing to the cold weather and lateness of the season.

The Chicago party for the S. A. F. Convention at Niagara Falls, will travel via the Wabash R. R., leaving at 6 P. M. Monday, August 17. F. F. Bentley is chairman of the transportation committee.

The St. Louis Horticultural Society has issued its preliminary list of premiums for the flower show to be held next November. Class 1, Shaw premiums for plants comprises 21 sections; Class 2, Chrysanthemum Blooms, 11 sections; Class 3, Carnation Blooms, 14 sections; Class 4, Roses, 11 sections; Class 5, Floral Displays, 8 sections; Class 6 is for private exhibit and Class 7 is the S. A. F. silver and bronze medals for new plants or flowers of American origin.

The annual Sweet Pea Show of the Massachusetts Horticultural Society will be held at Horticultural Hall, Saturday and Sunday, July 18 and 19. In addition to sweet peas there will be displays of other summer flowers, and of fruits and vegetables. A feature of special interest will be the competition for the largest and best collection of midsummer fruits, artistically arranged, for which three prizes are offered. The exhibition is free to all and will be open Saturday from 12 to 6 o'clock and Sunday from 2 to 6 o'clock. WM. P. RICH, Sec'y.

## During Recess

### NEW ORLEANS HORTICULTURAL SOCIETY.

The New Orleans Horticultural Society held its annual outing and banquet at Mandeville, across the lake, on July 8, and all of the members expressed themselves as having had a "jolly good" time. The party consisted of thirty-two members and their invited guests, and they made the trip over the lake on the steamer New Camelia. Each of the party was provided with a boutonniere of ferns and China asters, the members red, and invited guests white asters. Among the participants was Prof. A. H. Rosenfeld, of the State Crop Pest Commission, who came down from Baton Rouge as a special guest of the society. The feast was spread at Mugnier's Hotel. The hotel made a very pretty sight, being gayly decorated for the occasion with flags and bunting of the national colors. President Eble opened the banquet with a short address, calling on the members to do full justice to the feast and to enjoy themselves to their hearts' content, and then appointed Secretary Panter as toastmaster of the evening. Speeches were made by Chairman Chopin, of the outing committee; John F. Timis, C. W. Eichling, Jas. Newsham, H. Papworth, Prof. Rosenfeld, R. Steckler, R. P. Upton and A. A. Schalck.

### WHERE CHICAGO IS RUSTICATING.

John Kruch, at Fox Lake. Miss Martha Gunderberg with relatives in Minnesota. Lillian Bloom, (whose name is distinctly floral) at Lakeside, Mich. J. Kidwell, at Boulder Lake, Wis. N. J. Wietor, in Wisconsin. Mr. and Mrs. Rogers, of Wieland & Risch, at Spring Lake, Mich. C. M. Dickinson of E. H. Hunt's, at Pelicon, Wis. Peter Reinberg at his post of duty as an alderman after returning from the Denver convention full of patriotism.

Everybody talks convention and we look forward to a large number attending the S. A. F. meeting at Niagara. The younger element of the trade played a very spirited game of base ball at Belle Isle. Thanks to the efficient leadership of Capt. Rahaley and the excellent work of Andy Ferguson, Jr., Bob Flowerday, Jr., the Michigan Cut Flower team took the laurels from the Detroit Cut Flower representatives with a score of 19 to 5.

FRANK DANZER.

The annual picnic of the Omaiia (Neb.) Florists' Club will be held at Krug's Park, Thursday, July 23, afternoon and evening. Good music and entertainments of various kinds are promised. Foot races at 4.30 P. M., comprising a ladies' race, men's race, girls' race and boys' race, for which prizes will be awarded. Group photograph to be taken at 5.30 P. M. Supper, 6 P. M.

The Lake Forest (Ill.) Horticultural Society will hold an exhibition of out-of-door flowers and vegetables July 15. In conjunction with this the Women's Club will give an exhibit and the stores will be closed for the day.

## Obituary

### Rudolph Reynders.

Rudolph Reynders, florist, of Oil City, Pa., was struck by a Lake Shore train at the railroad crossing on the evening of July 4, and died a few hours later. Mr. Reynders was a native of Lancaster, Pa., where he was born Sept. 18, 1865. He has lived in Oil City for about 12 years and has conducted with much success a greenhouse business near the St. Joseph and Grove Hill Cemeteries. He leaves a wife and two children.

Few men in the city were so well known and none was more generally popular. He was a man of wonderful physique, and his heart was in proportion. He was kind and affable with strangers and the soul of generosity with his friends. No man ever lived in the community who was more industrious. His perfect physique enabled him to do the work of two or three ordinary men and he worked early and late, but was never so busy but that he could find time and inclination to do an errand of mercy. The fact that he was carrying flowers to a sick friend and to a house of mourning on the day of his death is typical of the man and in part explains the unanimous expressions of sorrow that his frightful death has aroused.

### James Cole.

James Cole, one of the oldest florists in Illinois, died at Peoria on June 30, aged 87 years. Mr. Cole was born in Devonshire, England. He came to this country in 1857, settling first in Toronto, Canada, and afterwards removing to Chicago and in 1863 to Peoria. His wife died in 1902. Three sons survive him.

### Carl R. Pfening.

Carl R. Pfening, florist and landscape gardener died of pneumonia at Jamaica Plain, Mass., on June 27.

### Isabella D. Poynter.

Isabella D. Poynter, wife of Thomas Poynter, a retired florist of Brooklyn, N. Y., died on July 6, aged 67.

### PUBLICATIONS RECEIVED.

The West Virginia Agricultural Experiment Station, at Morgantown, sends out a valuable calendar under the title of "Let us Spray," giving directions for the preparation and use of the various spraying remedies for fungous and insect enemies, together with a list of the dealers in these materials.

The Declaration of the Governors, as adopted at the White House conference on the conservation of natural resources, May 13-15, 1908, and "The Value of Natural Scenery," an address delivered before the conference by J. Horace McFarland, are contained in the latest pamphlet published by the American Civic Association.

### INCORPORATED.

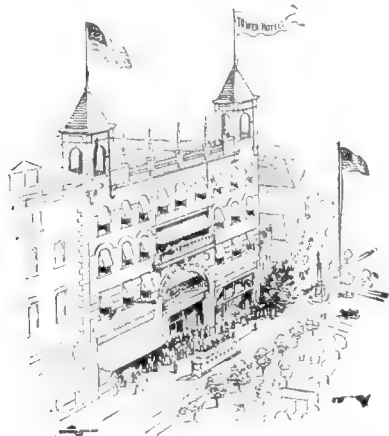
The Newcastle County Agricultural Fair Association, Brandywine, Del.; to promote agricultural and horticultural interests; capital, \$50,000.

### A VALUABLE HEATING APPLI- ANCE.

Again, the active brain of the scientific worker has been busy for the benefit of the greenhouse worker, and in our advertising columns will be found the latest addition to the improvements intended to simplify and perfect the methods of heating greenhouses by hot water circulation. The new features of the Automatic Circulator now offered for the first time by the W. W. Castle Company are that the apparatus is attached to either flow or return pipes in a hot water system, requiring no base to be levelled up to truth with pipe, thereby obviating any opening in same and causing binding in propeller shaft, and equipped with a valve so constructed that in case anything should retard or stop the impelling propeller the flow of water is not checked but immediately automatically shifts itself so that the gravity propulsion is put into operation and will take care of the circulation. The Castle Company has gained the confidence of the trade in a marked degree, considering the brief time they have been in the field. Two contracts to install their largest boiler were received in one day this week.

### THE TOWER HOTEL.

Here is a house well recommended, located within two minutes' walk of the convention and exhibition of the S. A. F., and directly opposite the



Falls, where a special rate for S. A. F. visitors has been made, \$2.50 per day on American plan, two persons in a room. Capacity, 150 guests.

### WHOLESALE SEEDSMEN'S LEAGUE.

Office of the Secretary.

Bristol, Pa., June 27th, 1908.

At the ninth annual meeting of the Wholesale Seedsmen's League on the 22nd of June, Messrs. F. W. Bruggerhof, J. B. Rice, and Albert McCullough were re-elected directors.

President Bruggerhof announced that a meeting of the Board of Directors would be called in the early autumn to elect officers and to consider a very important proposition. The board consists of F. W. Bruggerhof, J. B. Rice, Chas. H. Breck, Albert McCullough, S. E. Willard, W. H. Wood, W. Atlee Burpee, Robert Buist, and Burnet Landreth, secretary.

## COLD STORAGE LILIES

Multiflorum, 9 to 10, case of 200 bulbs .....	per case, \$15.50
Giganteum, 7 to 9, case of 300 bulbs .....	" 21.00
" 9 to 10, case of 200 bulbs .....	" 21.00
Rubrum, 8 to 9, case of 130 bulbs .....	" 8.00

**CURRIE BROS. CO., 312 Broadway, MILWAUKEE, WIS.**

### GREENHOUSES BUILDING OR CONTEMPLATED.

Jackson, Tenn.—T. L. Metcalf, one house.

Gardner, Mass.—John Bass, one house.

Roslyn, Pa.—Edward Towill, house 35x150.

Beard, Ky.—G. O. Klein, house 20x100.

Hammond, Ind.—Otto Greutner, additions.

Baltimore, Md.—Chas. Siegwart, additions.

Cedar Falls, Ia.—J. Bancroft & Son, additions.

Janesville, Wis.—Dr. Dwight, range of houses.

Johnston, Pa.—Herman Neissner, one house.

Warrensburg, N. Y.—S. E. Prosser, one house.

Wesely, R. I.—J. Henry Schaffer, house 21x50.

Toronto, Ont.—Wm. Bowers, range of rose houses.

Lancaster, N. Y.—W. J. Palmer, range of houses.

Faldwinville, Mass.—Dr. W. F. Robie, one house.

Southampton, Pa.—Stephen Mortensen, house 50x300.

Indianapolis, Ind.—A. Wiegand & Son, show house.

Niles Center, Ill.—Joseph Brooks, two carnation houses.

Jacksonville, Ill.—J. Heintz & Sons, five houses 130 feet long.

Brampton, Ont.—Dale Estate, five houses, each 300 feet long.

Swampscott, Mass.—A. W. Preston, conservatory 100 feet long.

Mt. Greenwood, Ill.—Mt. Greenwood Cemetery Association, carnation house.

Negaunee, Mich.—Cleveland Cliffs Iron Works, range of houses; Andrew Lindquist, contractor.

Weiland & Risch, Chicago, have their new range of rose houses, ten in number, practically completed. This range was built by Michael Winandy, Chicago's old time contractor.

### CATALOGUES RECEIVED.

John Lewis Childs, Floral Park, N. Y.—Descriptive List of Bulbs and Plants for Fall Planting.

A. T. Boddington, New York, N. Y.—Midsummer List for 1908. This catalogue has a strikingly effective and appropriate cover in vermilion and gold. It is one of Mr. Bunyard's best efforts in cover designing and will not fail to serve well its purpose in catching the eye and inducing a desire to look within.

Assistant Chief Casey has asked the fire marshal's office to investigate the recent fire in the flower store of Frank Howard, 21 Boylston street, Cambridge, Mass.

### THE U-BAR RECOMMENDED ABROAD.

Speaking of greenhouses, it would appear that home builders might learn a little in America. The extraordinary growth of the florists' trade in the United States has, apparently, set ingenious minds to work, and new ideas in house fittings are constantly appearing. To my mind, the U-bar greenhouses would be of service to many on this side, as the idea does away with the sash bar plate and gutter. This means a maximum of light, and no bother with rotting sash bars, as they are all iron. Apart from this, the U-bar gives a very neat finish.—Horticultural Advertiser, England, July 1, 1908.

### LIST OF PATENTS.

- \$92,532. Rake-Head Bar and Teeth. Charles E. B. Long, Owensboro, Ky.
- \$92,536. Lawn-Mowing Machine. Emery M. Mitchell, Asheville, N. C.
- \$92,910. Grass-Grubber. Charles W. Stark, Mountain Lake, Minn.
- \$92,967. Seed Planter. Samuel C. Thomas, Bean Lake Station, Mo.



## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. \$1.25, 25 lbs. \$2.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

# THE 24th TRADE EXHIBITION

Of the Society of American Florists

Will be Held in Conjunction with the Annual Convention at

Aug. 18 to 22  
1908

## NIAGARA FALLS

Aug. 18 to 22  
1908

The entire ground floor of the immense Cataract House has been reserved, together with Tent Accommodations for Overflow Exhibits. Ample provision has been made for the display of every class of Stock, Product, Appliances and Accessories for Floricultural Industry. If you have Novelties in Plants or Improved Greenhouse Requisites, this is the Time and Place to Show Them.

### PRICES FOR EXHIBITION SPACE

Minimum Charge, -	\$5.00	51 to 100 sq. ft., per ft.,	19c
50 sq. ft. or less, per ft.,	26c	Over 100 sq. ft., per ft.,	18c

Space should be secured without delay. Fifty exhibitors are already booked for spaces from 20 to 510 sq. ft. each. Diagrams and all information mailed on application. All space must be paid for in advance and all Freight and Express Charges Prepaid.

**CHARLES H. KEITSCH, Supt., 810 Main St., Buffalo, N. Y.**

### MOVEMENTS OF GARDENERS.

J. N. Morrison, formerly with Wadley & Smythe, New York, is in charge of the grounds of Mr. Arthur Little at Swampscott, Mass.

G. Lundberg, formerly of Lundberg Bros., florists, Auburndale, Mass., has taken the position of gardener for Mr. H. L. Bowdoin at Marblehead Neck, Mass.

Irving Hayden, whose greenhouses at Marblehead were seriously damaged by fire last winter, is at work as associate gardener with G. H. Barrett on the L. P. Hollander place, Marblehead Neck, Mass.

## ROSES

Surplus Stock, from 3½ in Pots,

**RICHMOND, \$5.50 per 100**

Chatenay and Ivory, \$4.50 per 100.

**JAS. J. CURRAN, Salem Conservatories, SALEM, VA.**

**PEONIES. 1200 Sorts**

Largest collection anywhere. Big lots of the best ones Howard Woodward, Grandiflora, Perfection, La France M. Gerard, Cahusac Warwick, O. Demay, Marie Stuart, Couronne d'Or, Felix Crousse, etc., etc.

IRIS, 300 best sorts. **HEMEROCALIS**, 15 sorts

Send for list, now ready

**C. BETSCHER, Canal Dover, Ohio**

## PEONY and IRIS ROOTS

Send for a Catalogue

**PETERSON NURSERY**  
Lincoln and Peterson Aves., CHICAGO, ILL.

### FERN SEEDLINGS

Eight of the best varieties in fine condition, now ready \$1.00 per 100; \$8.50 per 1000. If by mail add 10 cents for postage.

**Assorted Ferns for Jardinieres**, bushy plants \$3.00 per 100, \$25.00 per 1000; .00 at 1000 rate

**Adiantum Cuneatum**, 2½ in. \$3.00 per 100; \$5.00 per 1000

**Asparagus Plumosus Nanus**, 1½ in. \$3.00 per 100; \$25.00 per 1000

**Frank N. Eskesen**  
Madison, N. J.

### HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

**ROMAN HYACINTHS** and the true **PAPER WHITE GRANDIFLORA**

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
Rep. by **FELIX BOSCH**, 260 Clarendon St., Boston.

## ORCHIDS

arrived in superb condition

**Cattleya Trianae**, **C. labiata**, **C. Mossiae**, **Oncidium Varicosum**, **Vanda Coerulea**, **Dendrobium Formosum** and **D. Dalhousieanum**.

**LAGER & HURRELL, Summit, N. J.**

## ORCHIDS

Arrive in good condition **Cattleya Mossiae**, **C. Gaskelliana**, **C. Speciosissima**. In a few days. **C. gigas Sanderiana** and others.

**ORDONEZ BROS., Madison, N. J.**

Prices quoted in these columns are for Dealers Only. When writing to Advertisers Please Mention HORTICULTURE.

## ORCHIDS

Arrived in Grand Condition

**CATTELEYA AMETHYSTOGLOSSA** true  
**CATT. BOWRINGIANA**  
**LAELIA GRANDIS TENEBROSA**  
**ONCIDIUM SARCODES**

Write for Prices

To arrive shortly

**Laelia purpurata**, **Laelia Boothiana** (lobata), **Oncidium varicosum** Rogersii.

**JOSEPH A. MANDA**  
191 Valley Road WEST ORANGE, N. J.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
NEW YORK CITY

## IMPORTED ORCHIDS

Arrived in Superb Condition

**Vanda coerulea**, **Cattleya Trianae**, **Cattleya gigas Sanderiana**, **Cattleya Schroderae**, **Oncidium varicosum**.

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

Arrived in fine condition, **C. Mossiae**, **C. Percivaliana**, **C. Trianae**, **C. labiata**, **C. gigas Sanderiana**, **C. Harrisiana**, **C. Schroderae**, **C. citrina** Den. **Formosum giganteum**, **D. Wardianum**, **D. Fendleyianum**, **Oncidium Varicosum** Rogersii, **O. Tigrinum**, **O. Ornithorhynchum**, **L. anceps**. To arrive shortly, **Vanda Coerulea**, **Laelia Gaskelliana**, **C. Mendellii**, **Phalaenopsis Amabilis**, **P. Schilleriana**.

**CARRILLO & BALDWIN, Secaucus, N. J.**



## Seed Trade

The season of the year approaches when crop conditions and prospects is about the only subject which attracts general attention and interest. The last advices from California indicate that some crops are good, and others only fair, and while it is too early to say with confidence what the finished crops will be, as there is yet time before harvest for serious damage to be wrought, still as a general proposition there is likely to be little change from present indications.

Accepting this as "official," we can say that onion seed will be a large crop, a bumper crop in fact, and the cry of short acreage which the California growers have repeated with tire-some persistency is more of a ghost raised to justify their abnormally high prices on future seed which they expected of the seed trade last winter. It is a far cry between 25c. and \$1.25 onion seed, and while the former was unprofitably low, the latter will prove in the end to be unprofitably high, not only to the seedsmen but to the growers. If the crop when harvested proves true to its present promise in California and the East, there will be with reserves carried from last year not less than 1,500,000 lbs. of onion seed in the United States, and every one knows that this will be considerably in excess of the annual consumption. It certainly looks as if there would be a heavy decline from last winter's contracting prices.

Lettuce seed, on a somewhat increased acreage looks now like an average of from 40 to 75 per cent. of the expected crop, a few specialties being very short, but on standard sorts while jobbing prices will no doubt advance from 15 to 25 per cent. there will be no famine figures.

Carrot will be a short crop, possibly 40 to 60 per cent. Radish also will be short, but those having a critical trade probably do not rely on California-grown radish seed.

The yield of sweet peas per acre will fall considerably below average, ranging from 800 to 1200 lbs. against 1200 to 1800 lbs., which is about the normal yield. This shrinkage is due to lack of sufficient moisture, the vines attaining only about half their usual height. Prices should rule slightly higher on the mixed colors, and will be from 20 to 40 per cent. higher on the fancy named varieties. All indications are that the Spencer type are bound to supersede the old type to a very great extent, as the flowers are larger and have much more substance, and are really more beautiful.

Salsify will be a fair crop and average prices should be maintained. Parsnips will be light, but percentages are not available. Celery, endive, kale, leek, mustard and spinach will be about average crops, but excepting

## GIGANTIC PANSIES

Can only be produced from the **Giant Strains**. Our **CHALLENGE PANSY** seed contains only the **Giant** self colors, the **Giant Striped** and **Variegated** and the **Giant Blotched**, all carefully mixed in proportion. You could not buy better seed if you paid **\$100 per Ounce**.

### PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{8}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

*We also offer pansy seed in separate colors.*

*Write for special price and catalogue.*

### ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

## "STOKES STANDARD" PANSY SEED

**Stokes' Standard Mixed Pansy** is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance. Trade pkt. (2000 seeds) 50c;  $\frac{1}{8}$  oz. 85c;  $\frac{1}{2}$  oz. \$3.25; 1 oz. \$6.00;  $\frac{1}{4}$  lb. \$20.00.

**Kingly Collection of Giant Pansies Mixed.** A most excellent strain, the same as has been sold for years by the late firm of Johnson and Stokes and has given great satisfaction. Price,  $\frac{1}{2}$  trade pkt. 30c; trade pkt. (2000 seeds) 50c; 5000 seeds \$1.00; per oz. \$5.00; per  $\frac{1}{4}$  lb. \$14.00.

**Send for Special Pansy Circular**

**FRENCH and DUTCH BULBS in season—GET PRICES**

**STOKES' SEED STORE, 219 Market St., Philadelphia, Pa.**

possibly mustard, are not grown in sufficient quantities to be much of a factor in determining prices.

Such crops as are grown in the middle west are not considered up to average at this time of year, late varieties of sugar corn and many varieties of vine seeds in particular, but nothing definite can be said about them at present, as there is yet time for improvement, and always time up to harvest for deterioration.

Garden beets will be in short supply, and particularly such varieties as Detroit Turnip, Crosby's Egyptian, Crimson Globe, Columbia and Stinson. Prices should show a marked advance. In fact, Detroit Turnip is now being quoted in moderate quantities only at 25c. to 30c. It may be well to remark that only wholesale prices are referred to in these notes, unless otherwise

specially mentioned. Mangels show in a moderate way the advance, but thus far no variety has shown many marked shortage. Peas will be short again, and present indications are that the crop will not be materially better than last year, possibly not as good. Of course, percentages cannot be given, but in view of all of the known facts prices can hardly fail to rule as high especially the common varieties. Reports of a reliable character from canners in all parts of the country indicate that the average pack of peas will be about 60 to 70 per cent. on the acreage, which was about 10 per cent. larger than a year ago. The result has been an immediate advance in prices, and a sudden kindling of interest on the part of jobbers and wholesale grocers, who have become eager buyers. An active advancing market on



## ANGLO-AMERICAN MUSHROOM SPAWN.

*"Made Direct from Spores"*

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

**ANGLO-AMERICAN SPAWN COMPANY**  
Kennett Square, Pa.

spot canned goods means as a rule ready sale of futures, and this will create a good demand for future seed peas. Certainly the man or firm who last spring placed a liberal order for future seed peas and beans, may congratulate himself on his foresight. In short, it looks now as if the only item which will be in large surplus will be onion seed.

Of Lima beans little can be said until the crop is actually housed, as even after harvest the crop may be ruined by rain. In tomatoes, both the canned product and seed will be short.

Clover and timothy seed prices are likely to suffer a severe sinking spell ere long, particularly the former, but the prediction that clover will job at \$5.00 before May 1, 1909, will scarcely be realized.

Further particulars will be given from week to week.

The Stokes Seed Store reports a run at present on pansy seeds, the most popular this season being Stokes' Standard International Blend, Bugnot Giant, Masterpiece, Mme. Perret, and President Carnot. A unique one-color picture of a single pansy bloom forms the frontispiece of the new 12-page circular of seasonable offerings in seeds and bulbs.

The present crop of Bermuda onion seeds will fall far short of last season, owing to the bad weather experienced during the winter and spring months. It has been quite an unprecedented bad year for all crops and the tomato plantations were destroyed by disease.

## PANSY SEED

### Michell's Giant Exhibition

A Giant Strain which we have secured from the leading Pansy specialists in Germany, England and France.

This strain cannot be excelled.

Per Trade Pkt. \$0.50

" 1-8 Oz. .75

" Oz. 5.00

**MICHELL 1018 MARKET ST. PHILA. PA.**

## Pansy Seed

In separate colors—and the finest mixture—embracing every conceivable shade and marking, and largest flowers. Mail card for descriptive price list.

FRANCIS BRILL, HEMPSTEAD, N. Y.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

## THOMPSON'S MANURE

Specially prepared for Sleepy Chrysanthemums, 25 lbs. \$3.75

WM. ELLIOTT & SONS,  
42 VESEY STREET, - NEW YORK.

## SWEET PEAS

### For THANKSGIVING and CHRISTMAS

	Oz.	1/4 lb.	1/2 lb.	Lb.
BODDINGTON'S CHRISTMAS WHITE.....	10c	40c	60c	\$1.00
" " PINK.....	10c	40c	60c	1.00
" " SNOWBIRD, the earliest forcing white ...	20c	75c	1.25	2.00
FLORENCE DENZER, (pure white)	10c	40c	60c	1.00
WATCHUNG, (pure white)	20c	75c	1.25	2.00
MRS. ALEX. WALLACE, (Lavender)	50c	1.50	2.50	

Also other varieties as advertised prices All the above mailed free.

PANSY—BODDINGTON'S "CHALLENGE." This mixture contains all the finest giant strains of the leading Pansy Specialists in the world—the Giant self colors, the Giant stripe and margined, and the Giant blotched—all carefully mixed in proportion. Tr. pkt. 50c.; 1/4oz. 75c.; 1/2oz. \$1.50; 1oz. \$2.75; 2oz. \$5.

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, - NEW YORK CITY

### ASTER GROWERS ATTENTION:—

Our Seed is All Sold. If you failed to get some it is your loss. However:— Get a Competition Card Now, Enter your name as an Aster Grower of America and win part of our \$2500 offered in prizes. Entry free. All information gladly given. No cost to you except to prepay the express charges on flowers sent in competition.

**Altimo Culture Co., Canfield, Ohio.**

*Thorburn's  
Bulbs*

New Wholesale Price List for dealers  
ready in a day or two.

SEND FOR A COPY.

ASPARAGUS PLUMOSUS ROBUSTUS,  
\$2.00 per 1000 seeds.

Pansy, Carnation, Daisy and all other seeds for florists.  
Cold Storage Lily of the Valley Pips

**J. M. THORBURN & CO.**  
33 Barclay St., through to 38 Park Place  
NEW YORK

### Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent upon request. Catalogues now ready.

#### VICK'S SUPERB PANSY SEED

All the best varieties in separate colors

#### VICK'S SUPERB MIXTURE

the best strain from all the leading named sorts

1-8 oz. 75c. 1-4 oz. \$1.50 Ounce \$5.00

**JAMES VICK'S SONS, Rochester, N. Y.**

## PANSIES

Fresh seed Just Arrive

We can supply all the leading strains. Our Florist List Mailed Free.

#### H. E. FISKE SEED CO.

12 Faneuil Hall Sq., BOSTON, MASS.

## Cauliflower's Cabbage's

**HJALMAR HARIMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

## ASPARAGUS PLUMOSUS NANUS

Extra Strong Seedlings, ready  
for 2 1-2 in. pots. Per 100,  
\$1.50; per 1000, \$12.00.

**O. V. ZANGEN, HOBOKEN, N. J.**

... Ask for my new wholesale list ...

In ordering goods please add "I saw  
it in HORTICULTURE."

## JUST ARRIVED LARGE SHIPMENT OF High-Grade SCOTCH SOOT.

We have the stott Double Nozzle  
**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON

## BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

SAN JOSE, - CALIFORNIA

## BRECK'S SEEDS

For Farmer, Market Gardener and Florist

New Crop High Grade

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

## Winter-flowering SWEET PEA SEED

All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANEK**  
ORIGINATOR. BOUND BROOK, N. J.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M.C. and J.E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Miss Josie Then of the Flower  
Growers' Market, Chicago, is ill.

Visitor in New York: D. Rusconi,  
Cincinnati, O., seeing his family start  
for a summer sojourn in Europe.

B. S. Slinn, Jr., of New York, is ex-  
pected home this week after an ex-  
tended tour of Paris, London and other  
European cities.

F. Kolbe of Detroit has been suf-  
fering from the effects of blood poi-  
soning in his arm and is incapaci-  
tated for business in consequence.

E. R. Barnd, formerly in the florist  
business at Findlay, O., has returned  
to his old home as an employe of J.  
J. Waaland, after a sojourn in Texas.

Visitors in Chicago:—Mr. and Mrs.  
M. Pontridge, Louisville, Ky.; Miss T.  
F. Glasser, Dubuque, Ia.; J. M. Sme-

### STEAMER DEPARTURES

#### Allan.

Pietern, N. Y. Glasgow... July 24  
Corsican, Montreal-Liverp'l... July 24  
Virginian, Montreal-Liverp'l... July 31

#### American.

Philadelphia, N. Y. S'h'mp'n... Aug. 1

#### Atlantic Transport.

Minnehaha, N. Y. London... July 25  
Minneapolis, N. Y. London... Aug. 1

#### Cunard.

Mauritania, N. Y. Liverpool... July 22  
Carmania, N. Y. Liverpool... July 25  
Saxonia, Boston-Liverpool... July 28  
Campania, N. Y. Liverpool... Aug. 1

#### French Line.

La Provence, N. Y. Havre... July 23  
La Touraine, N. Y. Havre... July 30

#### Hamburg-American.

Deutschland, N. Y. Hamb'g... July 23  
Pennsylvania, N. Y. Hamb'g... Aug. 1

#### Holland-American.

Noordam, N. Y. Rotterdam... July 28

#### Leyland.

Cestrian, Boston-Liverpool... July 25

#### North German Lloyd.

K. Wm. II., N. Y. Bremen... July 21  
Bremen, N. Y. Bremen... July 23  
K. Wm. der Grosse, N. Y. Br'n... July 28  
Pr. Fred'k Wm., N. Y. Br'n... July 30

#### Red Star.

Kroonland, N. Y. Antwerp... Aug. 1

#### White Star.

Arabic, N. Y. Liverpool... July 23  
Majestic, N. Y. S'h'mpton... July 25  
Oceanic, N. Y. S'h'mpton... July 29  
Celtic, N. Y. Liverpool... July 30  
Republic, Boston-Liverpool... Aug. 1

ly, Aurora, Ill.; Mr. Kemble, Oskaloosa, Ia

Victor S. Dorval, of Woodside, N. Y.,  
will take a two months' respite from  
business, his brother Edward filling  
his place in the New York wholesale  
market during that time.

George Cotsonas, secretary of the  
Greek-American Florists' Association  
of New York, and Miss Margaret  
Luckert of New York City, were mar-  
ried on July 12, the ceremony at Vien-  
na Hall being witnessed by an assem-  
blage of friends numbering 250. The  
hall was beautifully decorated with  
oak leaves and roses. There were  
presents innumerable.

### Chicago.

Established in 1857



1652-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

## HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

JACOB SCHULZ, 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

# H. BAYERSDORFER & CO.

*Known to the Trade for the past 30 years as the*

## Representative Florists' Supply House of America

Always first in the market with anything that is new, novel and appropriate.

### WE HAVE PREPARED FOR YOUR NEEDS

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

#### BUSINESS CHANGES AND NEW ESTABLISHMENTS.

A. Lang has removed to his new store, 44 Madison street, Chicago.

Lundberg Bros., florists, Auburndale, Mass., have discontinued business.

W. S. Stanley is about to start in the nursery business at Baynes, B. C.

E. Leonhard & Son succeed E. Leonhard at Portchester, N. Y., as retail florists.

R. Altman, a pioneer florist of Manitowish, Wis., is about to retire from business.

Berkeley, Cal.—A new retail flower store by the Pacific Floral Co. on University avenue.

Cleveland, O.—A new flower and seed store by Schlaefer & Owcheek at 7403 Dunser avenue.

Mrs. S. A. Moir has closed her flower store in Brockton, Mass., and the business is for sale.

Radke & Vogt succeed Frank Vogt in the retail florist business at 4136 Cottage Grove avenue, Chicago.

The County Seat Nursery, Logan, Ia., formerly owned by J. H. M. Edwards, has been sold to Chas. F. Luce.

I. C. Willis, senior partner of the Salineville Floral Company at Salineville, O., has retired from the firm.

Charles W. Mowry has purchased the Daniel Brown farm at Union Village, Conn., and will start a nursery.

The greenhouse establishment recently run by Mrs. Tyrill at Corfu, N. Y., has been leased to Wm. Ehmann.

Mrs. Mary A. Reissig resumes control of the establishment at Riverside, Ill., Mr. Mayer's lease of same having expired.

The Corning Floral Company, Corning, N. Y., has purchased the W. J. Cheney greenhouse property on West Putney street.

The greenhouses owned by A. A. Weldon, for a number of years, at Worthington, Conn., have been sold to Leland Watkins and John Canfield.

The greenhouse owned by W. J. Cheney, at Corning, N. Y., has been purchased by the Corning Floral Co., and will be removed to a new location.

The firm of Goossens & Hellemons, at Audenbosch, Holland, has been dissolved and the business will be continued by Mr. Hellemons under the firm name of L. J. Hellemons.

#### NEWS NOTES.

The Columbia Gardens, Butte, Mont., Victor Siegel, gardener, are to be enlarged.

The greenhouse of Geo. M. Roak at Auburn, Me., was struck by lightning on July 2. Damage slight.

The latest arrival in the Flower Growers' Market, Chicago, is Herman Schau. His daughter will have charge of the selling.

The offices of the National Nurserman at Rochester, N. Y., have been removed to 218 Livingston Building, Exchange street.

Plans have been completed for a flower show at Bar Harbor, Me., on August 6. The show will be held at the Building of Arts.

In the recent timber fires at Brunswick, Me., a nursery maintained by Prof. Austin Cary, of Harvard University, was burned over.

George Reinberg, who has the distinction of being the only Chicago grower of orchids for the trade, has doubled his stock this season.

The Foley Manufacturing Company have the contract for the new greenhouses and connected buildings for the University of Illinois at Urbana.

A large plate glass window in the flower store of E. H. Beears, Reading, Pa., was shot through by some unknown person on the street, July 6.

Victor R. Gardner has been elected assistant professor of horticulture at the University of Maine. Leroy H. Harvey has been elected instructor in botany.

The elm leaf beetle is very abundant in and about Boston this year. Many fine trees in the suburban districts are as brown as if a fierce fire had swept over them.

Alex. Mead & Son have bought the greenhouses of John Cooke at Greenwich, Conn., and will tear them down, using the glass, piping, etc., in additions to their establishment on Lake avenue.

Charles Rose, an employe of Wax Bros., florists, Boston, has been arrested charged with entering and robbing the store at night during the time he was enjoying a vacation at the firm's expense.

Alexander Johnson has been appointed City Forester of Providence, R. I. Mr. Johnson is a son of George Johnson, who has conducted a green-

house establishment on Elmwood avenue for many years and is well informed on tree topics.

The granite statues of Pomona, Ceres and Flora which adorned old Horticultural Hall in Boston, which were purchased and set up on his grounds at Clifton by the Late Benj. Ware, after the demolition of the old building, have been secured by Mr. Arthur Little who will use them to adorn his place at Beverly.

At the Reclamation of the Flats at Washington, hundreds of men and numerous teams are at work leveling and planting the grounds. The portion which has been finished is very beautiful, shrubbery and flowers of numberless varieties having completely transformed an erstwhile unsightly and unhealthy section into a garden of Eden.

Plant dealers advertising for general wholesale trade report variously on collection of accounts but the consensus seems to be that the experience with the different sections through the recent season follows almost on identical lines with what has commonly been understood as to the effect of the financial disturbance, viz., New York, bad; New England, slow; elsewhere, good; West, very good.

You will find something worth reading on every page of HORTICULTURE.

### BOSTON'S BEST In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**  
194 Boylston Street, Boston

Send flower orders for delivery in  
**BOSTON**  
and all  
**NEW ENGLAND POINTS**  
**THOS. F. CALVIN**  
124 Tremont St., Boston

### TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**  
2 Beacon St., Boston.

Fine Design Work a Specialty.

**AMERICAN BEAUTIES**  
New Crop, \$10 to \$25 per 100  
**SHASTA DAISIES**  
Extra Specials. \$2 per 100  
**BRONZE GALAX**  
\$7.50 per Case

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.  
After June 27th Store closes 6 p. m.

## ADVERTISE

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

## ADVERTISE

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

**Summer Beauties**

ALL GRADES.

**W. E. McKISSICK** WHOLESALE FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**Rice Brothers**

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens — WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

**E. A. BEAVEN**

**Southern Wild Smilax, Log Mosses,**

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

**TOWER HOTEL**

Niagara Falls, N. Y.

Is soliciting your patronage during the S. A. F. Convention.

Very truly yours,

M. J. HOENIG, Prop.

**AMERICAN BEAUTY** and all other ROSES

**LILY OF THE VALLEY, CARNATIONS**

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

	CHICAGO July 14		1 WIN CITIES July 14		PHILA. July 11		BOSTON July 16	
<b>ROSES</b>								
Am Beauty, Fancy and Special..	20.00	to 25.00	25.00	to 30.00	18.00	to 25.00	15.00	to 25.00
"    Extra.....	15.00	to 20.00	18.00	to 20.00	12.00	to 15.00	12.00	to 15.00
"    No. 1.....	10.00	to 15.00	10.00	to 15.00	8.00	to 10.00	6.00	to 10.00
"    Lower grades.....	5.00	to 10.00	6.00	to 8.00	3.00	to 5.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special....	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	3.00	to 4.00
"    Lower grades.....	2.00	to 4.00	3.00	to 6.00	1.00	to 2.00	.25	to 1.00
Killarney, Richmond, Fan. & Sp..	6.00	to 8.00	8.00	to 10.00	4.00	to 6.00	4.00	to 6.00
"    Lower grades.....	2.00	to 4.00	5.00	to 7.00	1.00	to 2.00	.50	to 4.00
Kaiserin, Carnot.....	5.00	to 8.00	4.00	to 8.00	2.00	to 8.00	.50	to 6.00
Golden Gate Chateau, etc.....	3.00	to 6.00	4.00	to 8.00	2.00	to 6.00	.50	to 4.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	1.00	to 2.00	2.00	to 2.50	1.50	to 2.50	1.00	to 2.00
Ordinary.....	.40	to .50	1.00	to 2.00	.75	to 1.00	.25	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	.....	to 50.00	40.00	to 50.00
Lilies.....	10.00	to 12.00	8.00	to 10.00	8.00	to 10.00	6.00	to 8.00
Lily of the Valley.....	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Asters.....	30.00	to 50.00	.....	to .....	.....	to .....	.....	to 1.00
Gladioli.....	5.00	to 10.00	2.00	to 12.00	3.00	to .....	2.00	to 3.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to .....
Sweet Peas.....	.40	to 1.00	.50	to .75	.20	to .50	.10	to .25
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	6.00	to 10.00	10.00	to 15.00	15.00	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings.....	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
"    "    & Sprea. (too bchs.)	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	15.00	to 50.00

**J.A. BUDLONG**

37-39 Randolph Street, CHICAGO.  
Roses and Carnations A Specialty...

**Wholesale Grower of CUT FLOWERS**

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 38.

**J. B. Murdoch & Co.**

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

**TO BUYERS**

Patronize our advertisers, they will treat you right





## CYCAS LEAVES, Extra value, assorted sizes, \$6 per 100 CHIFFONS FLORIST'S HOSE

The Best Quality

**COLORS:** American Beauty, Violet, Purple, Yellow, White, Nile and Foliage Green.

### PRICES

PLAIN	DOTTED
4 in., 3c per yd.	4 in., 4½c per yd.
6 in., 4c per yd.	6 in., 5½c per yd.
10 in., 7c per yd.	

Pieces contain about 35 yards each.

The "P. M. Quality" Brand  
16c. per foot.

Bulldog Brand  
16c. per foot.

Try a 100 of the "P. M." Many consider it superior to the well-known "Bulldog."

# S. S. PENNOCK-MEEHAN CO., "THE" PHILA.

WHOLESALE FLORISTS

1608 to 1620 Ludlow Street—Store Opens 7.30 A. M., Closes 6 P. M.

## FLOWER MARKET REPORTS

### BOSTON

This market is at its dulllest at present, but better business is now almost due, and we hope to report improvement soon. Roses are exceedingly small and quality poor, the only claimants to commendation being Kaiserin and Carnot. Carnations are small as a rule but there are some excellent flowers being sent in by some growers, considering the season. Sweet peas are better than one would expect and show that they are regarded as worthy of careful nurturing by their growers. Aquatic flowers are a favorite window adornment with the florists at present. Garden flowers are not in evidence outside of gypsophylla and rudbeckias and a few other things that withstand any temperature that may attack them.

### BUFFALO

Any quantity of unsaleable stock and very little business is the situation in the cut flower line here. Some good carnations are still to be had also auratum and longiflorum lilies, together with fine sweet peas and any amount of the latter which are good for one day only. Beauties are still in good supply, but the quality not of the best; the shorter grades have been too plentiful and very little demand. There is an abundance of greens such as asparagus, smilax, adiantums, etc., with little or no demand. The wholesale coolers are full most of the time and the retailer has little or no trouble in filling his orders.

### CHICAGO

The Chicago cut flower market is holding its own with last year. The American Beauty growers have thrown out their old stock and the longest blooms cut now will average from twenty to twenty-four inches. There is no better white rose than Kaiserin for summer blooming and for light pink President Carnot leads. There is extra heavy demand for Killarney but they develop so rapidly that they must be cut in close bud and kept cool. Carnations are about over. Everyone is anxiously awaiting the coming of asters which are beginning to come in but with very short stems. Shasta daisies are getting smaller and prices are dropping accordingly. Among the flowers not listed in our regular price quotations are rubrum lilies at \$4.00 per 100; candidums at

\$6.00 per 100 stalks; alyssum at 40 cents, coreopsis at 25 cents and asclepias at \$1.25 per 100. Also pansies at 25 cents per doz. bunches. Cold storage peonies are apparently feeling the hot weather and do not hold up well after leaving the refrigerator, but good peonies, as the Late Rose now in the market, sell well. On the whole the Chicago market is as active as could be expected at this season.

### PHILADELPHIA

American Beauty roses show up about as good as anything at present. There is very little good stock coming in. Kaiserins are fair and there are a few good Killarneys arriving. Carnations will shortly be supplemented by the aster crop. The asters are only fair as yet. Orchids are scarce. Sweet peas in scanty supply and mostly low grade, Lily of the valley is in fair demand for the season. Easter lilies and auratum are excellent and find a ready market. Good smilax sells but there is far too much asparagus plumosa.

### NEW YORK

The midsummer quietude and the midsummer heat have together obliterated whatever little trace of life there was left in the florist trade of the metropolis. No complaints are heard; all accept the situation with compliant submissiveness, even a touch of resentfulness if anybody approaches them on a business topic. The growers with commendable patience and industry continue to clip off and send in whatever will hold together of the flimsy product of these scorching days. Neither the stock nor the demand are worth much worry at present.

### PHILADELPHIA NOTES.

Wm. Paul Binder, late of Pittsburg, has accepted a position as manager on

the Shellem place, at 17th and Wolf st.

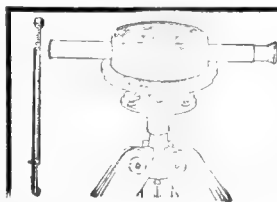
Michell reports an unusual demand this season among the private gardeners for roses for winter forcing. I. Rosnosky, will represent Henry F. Michell Co., at the Convention at Niagara, and he promises to have some novel things to show to the trade.

The first day's sale of the Graham Co.'s effects brought out a representative gathering of the trade, and the bidding was brisk. Good prices were realized on most of the desirable articles. J. J. Habermehls Sons, C. H. Grakelow and C. M. Keegan were among the heaviest purchasers.

C. M. Keegan opened the old Graham store at 104 So. 13th St., July 13th. Wallace Faust and Adolphe Rueger remain in responsible positions with the new proprietor. The store will be thoroughly renovated and will be conducted on up-to-date lines without giving undue prominence to the decorating business. The latter branch will be taken care of by Mr. Keegan's other concern, the National Decorating Company.

Mr. Howard M. Earl and Mrs. Earl reached home from their trip to the Pacific Coast, June 27th, having arrived in Detroit in time for the opening of the Seedsmen's Convention. Mr. and Mrs. W. C. Langbridge, who accompanied them, arrived at their home at Albany, N. Y., July 6th, having stopped to visit friends enroute between Detroit and Albany. The party say they had a delightful trip, but are somewhat chary of the information they are giving out concerning crops.

Among the happy vacationists taking advantage of the brief season of inaction are Phil. F. Kessler and Percy Richter, of New York, who have been touring New Jersey in an automobile as guests of E. Asmus. Mr. Kessler is extending his outing this week to Boston, Portland, and other New England centres.



## Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO.

139 Madison Avenue, ATLANTA, GA

**FORD BROTHERS**

48 West 28th Street, NEW YORK

**FINE ROSES FANCY CARNATIONS**

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**Wholesale Commission Florist,  
Choice Cut Flowers,

57 West 28th St., :: NEW YORK.

Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**Richmond Roses and Rich Flowers  
of all varieties**JOS. S. FENRICH**

110 W. 28th Street, New York

Tel. 324-325 Madison Square

**Alfred H. Langjahr**All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.

55 West 28th Street, New York.

Telephones 4626-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR  
LARGEST GROWERSA full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE.

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARNEDIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown

**CUT FLOWERS**  
Finest Lilies in the Market Every Day in the Year.**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664--1665 MADISON SQUARE

**ENOUGH SAID****NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY**

	Last Half of Week ending July 11 1908		First Half of Week beginning July 13 1908			Last Half of Week ending July 11 1908		First Half of Week beginning July 13 1908	
<b>Roses</b>					<b>Carnations, Fancy and Novelties.</b>	1.00 to 1.50	1.00 to 1.50		
Am. Beauty, fan and sp. ....	10.00	to 25.00	10.00	to 20.00	“ Ordinary .....	.50 to .75	.50 to .75		
“ extra .....	6.00	to 10.00	6.00	to 10.00	<b>Cattleyas</b> .....	20.00 to 30.00	20.00 to 30.00		
“ No. 1 .....	4.00	to 6.00	4.00	to 6.00	<b>Lilies</b> .....	4.00 to 8.00	4.00 to 8.00		
“ Lower grades .....	1.00	to 2.00	1.00	to 2.00	<b>Lily of the Valley</b> .....	1.00 to 2.00	1.00 to 2.00		
Bride, 'Maid, fan and sp. ....	2.00	to 4.00	2.00	to 4.00	<b>Asters</b> .....	..... to .....	..... to .....		
“ lwr. grds. ....	.50	to 2.00	.50	to 2.00	<b>Gladioli</b> .....	4.00 to 8.00	4.00 to 8.00		
Killarney, Richmond, fancy & spec	3.00	to 5.00	3.00	to 5.00	<b>Gardenias</b> .....	3.00 to 12.00	3.00 to 12.00		
“ lower grades .....	.50	to 2.00	.50	to 2.00	<b>Sweet Peas per 100 bunches</b> .....	2.00 to 4.00	2.00 to 4.00		
Kaiserin, Carn. t. ....	.50	to 5.00	.50	to 5.00	<b>Adiantum</b> .....	.35 to .75	.35 to .75		
Golden Gate, Chaeenay, etc. ....	.50	to 5.00	.50	to 5.00	<b>Smilax</b> .....	6.00 to 10.00	6.00 to 10.00		
					<b>Asparagus Plumosus, strings...</b>	20.00 to 25.00	20.00 to 25.00		
					“ & Spreng. (100 bchs.)	10.00 to 20.00	10.00 to 20.00		

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

New York.

**REED & KELLER**

122 West 25th St., New York

**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in

Glassware Decorative Groceries and Florists' Requisites

**TRAENDLY & SCHENCK**  
WHOLESALE FLORISTS

Furnish best stock at fair prices all the year round Send for quotations on fall orders

Tel. 798.799 Madison Sq.

44 West 28th Street, New York City

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860 Madison  
3861

NEW YORK

**A. MOLTZ**Will purchase flowers on order in  
N. Y. market and ship carefully at  
prevailing wholesale prices. Address

55-57 West 26th Street, New York City



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR

**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in  
Florists' Supplies and Wire Designs.

383-87 ELLICOTT ST.

**BUFFALO, N. Y.**

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

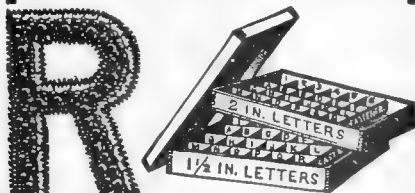
53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**FRANK S. HICKS & CO.**

**Wholesale Florists.**

Open Now for Consignments of Cut Flowers.

39 West 28th Street, - New York City

Tel. 2920 Mad. Sq.

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**— FLORISTS —**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNS, \$2.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.

## WHOLESALE FLOWER MARKETS. — PER 100. — TO DEALERS ONLY.

	CINCINNATI July 14		DETROIT July 14		BUFFALO July 14		PITTSBURG July 14	
<b>ROSES</b>								
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	25.00	to 35.00	20.00	to 25.00	18.00	to 20.00
"    Extra .....	15.00	to 20.00	18.00	to 20.00	11.00	to 20.00	12.00	to 15.00
"    No. 1.....	8.00	to 10.00	12.00	to 15.00	6.00	to 8.00	6.00	to 8.00
"    Lower grades.....	4.00	to 6.00	6.00	to 10.00	3.00	to 6.00	.....	to 4.00
Bride, 'Maid, F. & S.....	5.00	to 6.00	5.00	to 8.00	6.00	to 8.00	5.00	to 6.00
"    Low. gr.....	2.00	to 4.00	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.....	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00
"    Lower grades.....	2.00	to 4.00	5.00	to 7.00	3.00	to 6.00	.....	to 4.00
Kaiserin, Carnot.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Golden Gate, Chateau, etc.....	5.00	to 8.00	4.00	to 7.00	4.00	to 5.00	4.00	to 5.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	2.00	to 3.00	1.50	to 3.00	1.50	to 2.00	1.50	to 2.00
Ordinary.....	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50	.75	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	.....	to 75.00
Lilies.....	8.00	to 10.00	6.00	to 10.00	10.00	to 15.00	10.00	to 12.50
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Aspers.....	.....	to 4.00	.....	to 12.00	.....	to 4.00	.....	to 6.00
Gladioli.....	.....	to 4.00	.....	to 12.00	.....	to 4.00	.....	to 6.00
Gardenias.....	.....	to 4.00	.....	to 12.00	.....	to 4.00	.....	to 6.00
Sweet Peas.....	.50	to .75	.75	to 1.00	.20	to .50	.25	to .50
Adiantum.....	.50	to .75	1.00	to 1.50	.50	to 1.00	1.00	to 1.50
Smilax.....	.....	to 1.00	10.00	to 15.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings.....	40.00	to 50.00	40.00	to 60.00	50.00	to 60.00	.....	to 50.00
"    "    & Spreng.(100 bchs.).....	.....	to 25.00	15.00	to 25.00	25.00	to 50.00	40.00	to 50.00

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

**HORTICULTURAL PRODUCTS**

of every description.

Consignments Received. Surplus Stock Converted.  
62 Vesey St., NEW YORK

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

1 1/2 ..... \$1.75; 50,000 ..... \$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Regular advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

4-inch.....50 cents each  
6 ".....75 " "  
8 ".....\$1.00 each

Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ASPARAGUS

A. N. Pierson, Cromwell, Conn.  
Asparagus Plumosus Seedlings.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Plumosus Robustus Seeds.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

O. V. Zungen, Hoboken, N. J.  
Asparagus Plumosus Nanus Seedlings.

For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine  
plants, \$2.50 per 100; \$20.00 per 1000. Cash  
with order or good reference. Erie Floral  
Co., Erie, Pa.; or, Wm. F. Kasting Co.,  
385 Ellicott St., Buffalo, N. Y.

## ASTER SEED

Altimo Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEDDING PLANTS

R. Vincent, Jr., & Sons Co., White Marsh,  
Maryland.

For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,  
N. Y.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

For page see List of Advertisers.

S. S. Skidelsky, 1741 N. 18th St., Phila.  
Gloire de Lorraine.

For page see List of Advertisers.

## BEGONIAS—Continued

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1-4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1183  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Lilium Harrisii.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Flske Seed Co., Faneuil Hall Sq.,  
Boston.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Fall Bulbs.

For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,  
N. Y.

Lilium Harrisii.

Walter P. Stokes, 219 Market St., Phila.  
French and Dutch Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow),  
and Philadelphicum and other native bulbs.  
Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CANNAS

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-  
Hudson, N. Y.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.  
Field Grown

Carnations Imperial and Pink Imperial.  
For page see List of Advertisers.

## CARNATIONS—Continued

The F. R. Pierson Co., Tarrytown-on-  
Hudson, N. Y.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Carnation cuttings of all the leading  
varieties at the same price as any reliable  
firm. Write for prices before you look  
elsewhere. Wm. F. Kasting Co., 385  
Ellicott St., Buffalo, N. Y.

CARNATIONS!! FIELD GROWN!!  
Immediate delivery. Enchantress, \$45.00  
per 1000; \$5.00 per 100. Winsor, \$55.00  
per 1000; \$6.00 per 100. Large, bushy,  
healthy plants. Satisfaction guaranteed.  
Cash with order or C. O. D. Wanoka  
Greenhouses, Barneveld, N. Y.

50,000 Field Carnations now ready.  
Were fielded April 1 and are fine and big.  
Very bushy, having been repeatedly topped.  
Long Island grown. Early benching with  
these plants means money next fall and  
winter to you.

Enchantress, Rose Pink Enchantress,  
Lady Bountiful, Queen, White Lawson,  
Lawson, Red Lawson, Robt. Craig, Victory,  
White Perfection, Harlowarden, Prosperity.  
First size, \$5 per 100, \$50 per 1000; second  
size, \$4 per 100, \$40 per 1000.

Novelties—White Enchantress, Beacon,  
Imperial, Bonnie Maid, Aristocrat, Winsor,  
Pink Imperial, Lloyd (New Bedford white),  
\$8 per 100, \$70 per 1000. Cash with order.  
Will book order and hold until you are  
ready.

Harlowarden Greenhouses, Greenport,  
N. Y.

## CATALOGUE ILLUSTRATING

Gatchell & Manning, 27-41 S. 6th St.,  
Philadelphia.

For page see List of Advertisers.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
For page see List of Advertisers.

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Frank Oechslin, 2570-2306 W. Adams St.,  
Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Midsummer and late varieties ready now  
and can supply up to September 15. Rooted  
Cuttings, Beatrice May, Wanamaker, both

Eatons, Nonin, both Chadwicks, both Bon-  
naffons, Maud Dean, Enguehard, Murdoch,  
both Ivories, Alice Byron, C. Touset, Merry  
Xmas, M. F. Plant, Intensity, A. J. Bal-  
four, Mary Mann, Appleton, Golden Wed-  
ding, Duckham, Majestic, \$1.75 per 100;  
\$15.00 per 1000. Novelties: Alice Roose-  
velt, Hankey, Winter Cheer, Rosette, Clay  
Frick, Golden Dome, Virginia Poehlmann,  
Money-maker, Mrs. A. T. Miller, Mrs. Part-  
ridge, \$3 per 100; \$25 per 1000. For plants  
out of 2 to 2-1/2 in. pots add 1-3 to above  
prices. Orders booked and held until you  
are ready. Cash with order. Ten per  
cent. discount for cash orders now for  
August and September delivery. Harlo-  
warden Greenhouses, Greenport, N. Y.

Bargains: Surplus of fine pot-grown  
Chrysanthemums, Pacific, Balfour, Polly  
Rose, only 2c. Also assorted Geraniums in  
bloom, 5c. All are extra value. G. S.  
Ramsburg, Somersworth, N. H.

# For List of Advertisers See Page 89

**CHRYSANTHEMUMS—Continued**

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**COLEUS**

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

**CONIFERS**

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.  
For page see List of Advertisers.

**CUT FLOWER BOXES.**

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made  
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

**CYCLAMEN.**

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-in. pots, 4c. J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

**DAHLIAS**

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

**DECORATIVE PLANTS**

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

**DRACAENAS**

John C. Hatcher, Amsterdam, N. Y.

**ECHEVERIAS**

Echeverias, \$18 per 1000, post paid. McDowell, Mexico City.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

**FERNS**

A. Leuthy & Co., Rosindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Frank Oechslin, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

**FERNS FOR JARDINIERES**

Frank N. Eskesen, Madison, N. J.  
For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New York.  
Sterilized Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
dowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2189-2141 Broadway,  
New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 23th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Red pots, seed pans, etc.  
The Peters & Reed Pottery Co.,  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.

For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.  
For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.

For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



## GREENHOUSE CONSTRUCTION— Continued

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.  
The Weathered Co., New York City.  
For page see List of Advertisers.

## GREENHOUSE HOSE

Henry A. Dreer, 714 Chestnut St., Phila.  
Riverton Hose.

## GUTTERS

GUTTERS, Cast Iron Gutters, L. & B  
Improved V Shaped Gutter with drip gut  
ter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

## HAIL INSURANCE

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

## HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Michigan Cut Flower Exchange,  
88 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

## HEATING APPARATUS

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
John A. Payne, 280-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.  
Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## HELP FURNISHED

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

## HERBACEOUS PERENNIALS

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.  
P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

## HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset,  
Mass.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

## HYDRANGEAS.

American Everblooming Hydrangea (H. Ar-  
borescens Sterilis), strong, nursery grown  
plants, \$15.00 per 100; \$140.00 per 1000; 8  
to 12 in., \$10.00 per 100; \$90.00 per 1000;  
5000 for \$400.00. Peonies, a choice collec-  
tion. Festiva Maxima, strong divisions,  
\$18.00 per 100; Queen Victoria, \$7.00 per  
100. A hundred other good sorts. Lists  
free. The E. Y. Teas Company, Center-  
ville, Ind.

## INSECTICIDES.

Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.  
M. H. Rose, 46 Macomb St., Detroit, Mich.  
Rose's Eureka For Scale.  
For page see List of Advertisers.  
Stump & Walter Co., 50 Barclay St.,  
New York.  
Kilbend Tobacco Dist.  
For page see List of Advertisers.

## JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,  
New York.  
For page see List of Advertisers.

## JUMPING BEANS

Jumping Beans, \$5 per 1000, post paid.  
McJowell, Mexico City.

## KENTIAS

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.  
A. Leuthy & Co., Rosindale, Mass.  
For page see List of Advertisers.  
Jos. Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.  
M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.....	\$1.50	\$18.00
" 7-in.....	1.75	21.00
" 8-in.....	2.50	30.00
" 8-in. strong. 4.00	48.00	
" 9-in.....	6.00	
Kentia Forsteriana, 7-in.....	2.50	30.00
" 8-in.....	3.00	36.00
" 8-in. strong. 5.00	60.00	
" 9-in.....	6.00	72.00
Made-up Kentia Forsteriana....	6.00	72.00

Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## LOBELIAS

Double Lobelia, Kathleen Mallard, 2 1/4  
in., 4c. Strong cuttings from soil, all  
full of buds and bloom. J. L. Stone,  
Trumansburg, N. Y.

## MASTICA

F. O. Pierce Co., 12 W. Broadway,  
New York.  
For page see List of Advertisers.

## MOON VINES

Godfrey Aschmann, 1012 W. Ontario St.,  
Philadelphia.  
For page see List of Advertisers.

## MUSHROOM SPAWN

Anglo-American Spawn Co., Kennett Square,  
Penna.  
For page see List of Advertisers.

## MYRTLE

Myrtle for cemetery planting, strong  
field grown clumps, \$2.00 per 100, or \$17.50  
per 1000. Geo. A. Thoman, East Walnut  
Hills, Cincinnati, O.

## NEW AND RARE PLANTS

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

## NICO-FUME

Kentucky Tobacco Product Co.,  
Louisville, Ky.  
For page see List of Advertisers.

## NURSERY STOCK

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.  
Bay State Nurseries, No. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamenta  
Trees.  
For page see List of Advertisers.  
Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.  
P. Ouwerkerk, 218 Jane St., Weehawken  
Heights, N. J.  
Holland Nursery Stock for Forcing  
For page see List of Advertisers  
American Nursery Co., 150 Broadway, New  
York, N. Y.  
For page see List of Advertisers.

## ORCHID PLANTS

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers  
Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers  
Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.  
Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.  
Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.  
For page see List of Advertisers.  
Ordonez Bros., Madison, N. J., Box 106  
For page see List of Advertisers.  
Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

## PALMS

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.  
For page see List of Advertisers.  
Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

## PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse  
lead; Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

## PATENTS

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

## PEAT

Orchid peat, Rotted peat, Azalea peat,  
Leaf-Mould, Live Sphagnum moss, Baled  
Sphagnum moss, Green Clump moss, etc.  
Jobbers' list on application. C. W. Brown-  
ell & Co., Walden, N. Y.

## PEONIES

The E. G. Hill Co., Richmond, Ind.  
1-Year Transplanted Peony Clumps.  
Peterson Nursery, Lincoln and Peterson  
Aves., Chicago, Ill.  
Peony and Iris Roots.  
For page see List of Advertisers.

Wholesale Peony list for fall 1908 is now  
ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America.  
Send 25 cts. in stamps for new edition of  
Peony Manual. C. S. Harrison's Select  
Nursery, York, Neb.

Peonies, largest collection anywhere,  
1200 sorts, big stock of Couronne d'Or,  
Felix Crousse, O. Demay, etc. C. Betscher,  
Canal Dover, Ohio.

## PHLOXES

Send 25 cts. in stamps for Phlox Manual.  
Fine mixed phloxes \$1.50 per 100. C. S.  
Harrison's Select Nursery, York, Neb.

## PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and  
26th St., Chicago, Ill.  
For page see List of Advertisers.  
Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and  
Wrought Pipe. Valves, Elbows, Pipe Hooks,  
Automatic Air Headers, etc. Lord &  
Burnham, 1133 Broadway, N. Y.

## PLANT TUBS

H. A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,  
\$1.25 by mail. I. N. Kramer & Son, Cedar  
Rapids, Ia.

## RAFFIA

Raffia (colored), 20 beautiful shades.  
Samples free. R. H. Comey Co., Camden,  
N. J.; 810 Washburn Ave., Chicago, Ill.

## RETAIL FLORISTS

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.

**For List of Advertisers See Page 89**

**RETAIL FLORISTS—Continued**

William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Ray State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and Maid.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.  
Killarney, Richmond, Bridesmaids.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

John C. Hatcher, Amsterdam, N. Y.  
S. J. Reuter & Son, Westerly, R. I.  
Roses Own Roots.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Grafted Roses.  
For page see List of Advertisers.

Jas. J. Curran, Salem Conservatories, Salem, Va.  
For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

**S. A. F. CONVENTION ACCOMMODATIONS**

Tower Hotel, Niagara Falls, N. Y.  
For page see List of Advertisers.

**SEEDS**

T. J. Grey Co., 32 So. Market St., Boston, Mass.

For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.

Boddington's Challenge Pansy, also Sweet Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Pansy Seed.  
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq. Boston.  
Pansy Seeds.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.

Francis Brill, Hempstead, N. Y.  
Pansy Seed.

For page see List of Advertisers.

Walter P. Stokes, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.

**SMILAX**

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

A. V. D. Snyder, Ridgewood, N. J.  
For page see List of Advertisers.

Smilax, strong, 2 1/4 in. pots, \$1.25 per 100; \$10.00 per 1000. Cash please. Wm. Livesey, McCabe St., New Bedford, Mass.

500 Smilax, 3 in. pots, 2 and 3 in a pot, \$2.50 per 100, per clump. First class stock. J. H. A. Hutchison, Locust Street Greenhouses, Oxford, Pa.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**STRAWBERRY PLANTS**

R. & J. Farquhar & Co.,  
6 and 7 So. Market St., Boston.  
Pot-Grown.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolaner, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av. Chicago.  
For page see List of Advertisers.

**TUBEROSES**

No. 1 Pearl Tuberose bulbs, \$5.00 per 100. Schlegel & Fottler Co., 26 South Market St., Boston.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

**VIOLETS.**

Heiss, Florist, 112 S. Main St., Dayton, O.

Maria Louise and Farquhar violet plants, strong, February and March sand struck, clean and free from disease, \$2.00 per 100; \$15.00 per 1000. Will be ready May 15. Cash with order, please. C. Lawritzen, Box 261 Rhinebeck, N. Y.

How to Make Money Growing Violets, will be sent postpaid for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Commercial Violet Culture, by B. T. Galoway, sent postpaid for \$1.50, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**VINCAS**

John C. Hatcher, Amsterdam, N. Y.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Ujfalussy, 136-138 W. 28th St., New York.

Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Buffalo**

Wm. F. Kasting Co., 383-87 Elliot St., Buffalo, N. Y.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

# Tobacco Paper "NICO-FUME" LIQUID

IS THE  
**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...  
**THE KENTUCKY TOBACCO PRODUCT CO.,** Louisville, Ky.

**OVER 40% NICOTINE**  
**By far the  
CHEAPEST.**

**JUST NOTE PRICES!**

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

## WHOLESALE FLORISTS— Continued

### Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

### New York

- J. S. Fenrich, 110 W. 28th St., New York  
For page see List of Advertisers.
- Ford Bros., 48 W. 28th St., New York  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York  
For page see List of Advertisers.
- Moore, Hentz & Nash 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Frank S. Hicks & Co., 39 W. 28th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St. Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- A. Moltz, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

### Philadelphia

- W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co., 1200 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### Pittsburg

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

## WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

## WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

ASPARAGUS PL. ROBUSTUS AND OTHER FLORISTS' FLOWER SEEDS; COLD STORAGE LILY OF THE VALLEY.

J. M. Thorburn & Co., New York.  
For page see List of Advertisers.

AUTOMATIC HOT WATER CIRCULATOR.

The Castle Co., Heating Engineers, 170 Summer St., Boston, Mass.

COLD STORAGE LILIES.

Currie Bros., Milwaukee, Wis.  
For page see List of Advertisers.

FIELD GROWN CARNATIONS; GRAFTED BRIDE AND CARNOT ROSES.

Worcester Conservatories, Worcester, Mass.  
For page see List of Advertisers.

FLORISTS' HOSE; BULL-DOG AND P. M. BRAND.

S. S. Pennock-Meehan Co., Phila., Pa.  
For page see List of Advertisers.

FRENCH AND DUTCH BULBS.

Stokes' Seed Store, Philadelphia, Pa.  
For page see List of Advertisers.

HYDRANGEA OTAKSA IN TUBS.

F. R. Pierson Co., Tarrytown, N. Y.  
For page see List of Advertisers.

KENTIAS, SINGLE AND MADE-UP SPECIMENS.

Joseph Heacock, Wyncote, Pa.  
For page see List of Advertisers.

PEONIAS, IRISES, HEMEROCALLIS.

C. Betcher, Canal Doyer, O.  
For page see List of Advertisers.

ROSES; OWN ROOT FROM GRAFTED STOCK.

S. J. Reuter & Son Co., Westerly, R. I.  
For page see List of Advertisers.

S. A. F. TRADE EXHIBITION AT NIAGARA.

Chas. H. Keltch, Buffalo, N. Y.  
For page see List of Advertisers.

THOMPSON'S MANURES.

Wm. Elliott & Sons, New York, N. Y.  
For page see List of Advertisers.

## SITUATIONS WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

**THOS. H. BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## FOR SALE

## Public Sale

**At READING, PA.  
JULY 29th, 1908, 3.30 p.m.**

## Penn Flower Shop

**636 PENN STREET**

Store with greenhouse attached, fixtures, good will, lease. Business well established. Best store in town. Particulars by mail. Bids invited. Address

**GEO. S. STIRL, Auctioneer**  
25 N. 6th Street, READING, PA.

FOR SALE—Plate glass mirrors, marble slab counter, show ice box with mirror back and tile floor, elegant fixtures for modern retail flower store, which we have no use for in our present business as wholesale dealers. Come and examine. Price low. Millang Bros., 41 W. 28th St., New York.

FOR SALE—Special—Glass for sale below cost. 16x24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parselsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE, or rent, small greenhouse plant, tenement, and as much land as desired. Good location, established trade. Low price, or reasonable rent. Great bargain for right party. Must be sold or rented at once. For particulars address C. T. Phelps, North Adams, Mass.

FOR SALE—At a bargain, greenhouse plant, about 10,000 ft., located in Chicago. For particulars inquire of Chas. W. McKellar, 51 Wabash Ave., Chicago.

## HELP WANTED

WANTED—A young man with some experience in growing pot plants for market, to work under a foreman. Apply with experience and wages expected, to Thomas Roland, Nahant, Mass.

A GOOD SITUATION is open for a competent seedsmen and a travelling man who knows the road and can get business. Address B. B., care Horticulture Pub. Co.

WANTED At once a reliable man for carnation growing. State experience and wages expected. John Barr, So. Natick, Mass.

## SITUATIONS WANTED

WANTED SITUATION—As forester or park foreman. Good references. Address B. B., care HORTICULTURE, 11 Hamilton Place, Boston.

## List of Advertisers

Page	Page
Advance, The Co. .... 91	Manda Jos. A. .... 75
Altimo Culture Co. .... 77	MacMullin E. A. .... 79
American Nursery. .... 64	McCarthy N. F. & Co. .... 83
American Nursery Co. .... 64	McConnell Alex. .... 78
Anglo-American	McKellar Charles W. .... 80
Spawn Co. .... 76	McKissick, W. E. .... 80
Aschmann G. .... 63	McManus Jas. .... 82
Atlanta Floral Co. .... 78	Michell H. F. Co. .... 77-89
Bambrick Thos. H. .... 88	Metropolitan Ma-
Barrows H. H. & Son. .... 62	terial Co. .... 90
Bayersdorfer H. & Co. .... 79	Michigan Cut Flower
Bay State Nurseries. .... 64	Exchange. .... 83
Beaven E. A. .... 80	Midgley L. C. .... 63
Berning H. G. .... 83	Millang Bros. .... 82
Betscher C. .... 75	Moltz, A. .... 82
Boddington A. T. 62-76-77	Moninger J. C. .... 89
Boston Florist Letter	Moore, Hentz & Nash .... 82
Co. .... 83	Murdoch J. B. & Co. .... 80
Boston Plate and Win-	Murray Samuel .... 78
dow Glass Co. .... 89	Niessen Leo. Co. .... 80
Bosch, Felix. .... 75	Oechslin Frank. .... 62
Bostrom-Brady Mfg.	Ordenez Bros. .... 75
Co. .... 81	Ouwerkkerk P. .... 64
Braslan Seed Growers	
Co. .... 77	Paethorpe P. R. Co. .... 89
Breck Joseph & Sons .... 77	Park Floral Co. .... 78
Breitmeyer's J. Sons. .... 78	Payne John A. .... 89
Bridgeman's Seed	Peanock-Meehan Co. .... 81
Warehouse. .... 77	Perkins St. Nurseries. .... 26
Brill Francis. .... 77	Peterson Nursery. .... 75
Budlong J. A. .... 80	Pierce F. O. Co. .... 91
Burpee W. A. & Co. .... 77	Pierson A. N. .... 63
	Pierson E. R. Co. .... 63
Carrillo & Baldwin .... 75	Pierson U Bar Co. .... 92
Cassidy I. .... 91	Poehlmann Bros. Co. .... 64
Castle Co. .... 90	Poehlmann Manure Co. .... 89
Chicago Carnation	
Co. .... 63	Quaker City Machine
Clarke's David, Sons .... 78	Co. .... 91
Cleary's Horticultural	Quinlan P. R. .... 64
Co. .... 83	
Cowee W. J. .... 83	Raynor John I. .... 82
Craig, Robt. Co. .... 64	Reed & Keller. .... 82
Currau Jas. J. .... 75	Reinberg Peter. .... 80
Currie Bros. Co. .... 74	Reuter S. J. & Sons
	Co., Inc. .... 62-64
Dingee & Conard Co. .... 64	Rice Bros. .... 80
Doane Geo. B. & Son. .... 91	Rickards Bros. .... 77
Dorner F. Sons & Co. .... 63	Robinson H. M. & Co. .... 83
Dreer H. A. .... 89-91	Rock Wm. L. Flo. Co. .... 78
Dunlop John H. .... 78	Roehrs Julius Co. .... 75
Dysart R. J. .... 80	Roper Albert. .... 63
Edwards Folding Box	Roland, Thomas. .... 62
Co. .... 80	Rolker August & Sons .... 89
Elliot Wm & Sons .... 77	Rose Hill Nurseries. .... 64
Esler J. G. .... 91	Rose M. H. .... 63-89
Ernest W. H. .... 89	Salem Conservatories
Eskesen Frank N. .... 75	Sander & Son. .... 75
Eyres. .... 78	Schulz Jacob. .... 78
Farquhar R. & J. Co. .... 74	Scott, John. .... 62
Fenrich J. S. .... 82	Sharp, Partridge & Co. .... 90
Fiske, H. E. Seed Co. .... 77-89	Sheridan W. F. .... 82
Foley Mfg. Co. .... 91	Situations & Wants. .... 38
Ford Bros. .... 82	Skidelsky S. S. .... 62
Froment H. E. .... 82	Smyth Wm. J. .... 78
	Snyder A. V. D. .... 62
Galvin Thos. F. .... 79	Standard Plate Glass
Getchell & Manning. .... 64	Co. .... 90
Grey T. J. Co. .... 77	Stearns A. T. Lumber
Gude Bros. Co. .... 78	Co. .... 91
Guttman Alex. J. .... 82	Stirl Geo. S. .... 88
	Stokes Seed Co. .... 76
Hall Asso. .... 91	Stumpp & Walter Co. .... 74-89
Haines, J. E. .... 63	
Hartmann Hjalmar &	Thorburn J. M. & Co. .... 77
Co. .... 77	Totty Chas. H. .... 63
Hauswirth M. C. & J. E. .... 78	Tower Hotel. .... 80
Heacock Joseph. .... 64	Traendly & Schenck. .... 82
Herbert David & Son. .... 62	
Hews A. H. & Co. .... 89	Valentine, J. A. .... 78
Hicks Frank S. & Co. .... 83	Velthuys K. .... 75
Hilfinger Bros. .... 89	Vick's Jas. Sons .... 77
Hill, The E. G. Co. .... 64	Vincent R. Jr. & Sons. .... 62
Hippard E. .... 90	
Hoening M. J. .... 80	Waterer John & Sons. .... 64
Horan E. C. .... 82	Weathered Co. .... 92
Houghton & Clark. .... 78	Weber F. C. .... 78
Hunt E. H. .... 89	Welch Bros. .... 80
	Weigel & Ujaluussy. .... 83
Kasting W. F. .... 83	Wilson. .... 78
Keitsch Chas. H. .... 75	Winterson, E. F. Co. .... 80
Kentucky Tobacco &	Wittbold Geo. Co. .... 78
Product Co. .... 88	Wood Bros. .... 63
Kessler, P. F. .... 82	Woodrow, Sam'l A. .... 83
King Cons. Co. .... 91	Worcester Conserva-
Kroeschell Bros. .... 90	tories .... 63
Kuebler Wm. H. .... 83	Yokohama Nursery Co. .... 64
Lager & Hurrell .... 75	Young & Nugent .... 78
Langjahr, Alfred H. .... 82	
Leuthy A. & Co. .... 62	Zangen O. V. .... 77
Lord & Burnham Co. .... 92	Zinn Julius A. .... 79
Lutton W. H. .... 91	Zovlanek A. C. .... 77

## JOHN A. PAYNE

Greenhouse Designer and Builder

260-274 Culver Ave., Jersey City

THE  
PAYNE

Galvanized Iron non-freezing Z Bar Eaves Plate is acknowledged to be the best and the most durable. No inside drip, no sockets to hold moisture around wood bars.

Iron and wood frame greenhouses of every type—material only or erected.

LET US ESTIMATE.



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/4 " " " 5.25	60 8 " " " 3.00
1500 3 1/2 " " " 6.00	
1000 3 " " " 5.00	<b>HAND MADE</b>
800 3 1/4 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
320 5 " " " 4.52	24 11 " " " 3.60
144 6 " " " 3.16	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

## BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

IF YOU ARE TROUBLED with Scale, Thrip, Red Spider, Black and Green Fly, Mildew, Rust, Stem Rot, etc., ... USE ...

## ROSE'S EUREKA

the never failing remedy. \$1.00 per Bottle, \$9.00 per dozen Bottles.  
M. H. ROSE, 46 Macomb Street, DETROIT, MICH.  
Agents Wanted in Every State.



## Cattle Manure In Bags

Shredded or Pulverized  
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

## DREER'S

Florist Specialties,  
KEYSTONE CEDAR PLANT TUBS.



	1 in.	2 in.	3 in.	4 in.
A 11 " " " " "	7 1/2	12	18	24
B 12 " " " " "	8	14	21	28
C 14 " " " " "	10	18	27	36
D 16 " " " " "	12	21	32	42
E 18 " " " " "	14	24	36	48
F 20 " " " " "	16	28	42	56

These are the largest sizes have made.

Special PAUL TUBS.

11 " " " " "

12 " " " " "

14 " " " " "

16 " " " " "

18 " " " " "

20 " " " " "

22 " " " " "

24 " " " " "

26 " " " " "

28 " " " " "

30 " " " " "

32 " " " " "

34 " " " " "

36 " " " " "

38 " " " " "

40 " " " " "

42 " " " " "

44 " " " " "

46 " " " " "

48 " " " " "

50 " " " " "

52 " " " " "

54 " " " " "

56 " " " " "

58 " " " " "

60 " " " " "

62 " " " " "

64 " " " " "

66 " " " " "

68 " " " " "

70 " " " " "

72 " " " " "

74 " " " " "

76 " " " " "

78 " " " " "

80 " " " " "

82 " " " " "

84 " " " " "

86 " " " " "

88 " " " " "

90 " " " " "

92 " " " " "

94 " " " " "

96 " " " " "

98 " " " " "

100 " " " " "

102 " " " " "

104 " " " " "

106 " " " " "

108 " " " " "

110 " " " " "

112 " " " " "

114 " " " " "

116 " " " " "

118 " " " " "

120 " " " " "

122 " " " " "

124 " " " " "

126 " " " " "

128 " " " " "

130 " " " " "

132 " " " " "

134 " " " " "

136 " " " " "

138 " " " " "

140 " " " " "

142 " " " " "

144 " " " " "

146 " " " " "

148 " " " " "

150 " " " " "

152 " " " " "

154 " " " " "

156 " " " " "

158 " " " " "

160 " " " " "

162 " " " " "

164 " " " " "

166 " " " " "

168 " " " " "

170 " " " " "

172 " " " " "

174 " " " " "

176 " " " " "

178 " " " " "

180 " " " " "

182 " " " " "

184 " " " " "

186 " " " " "

188 " " " " "

190 " " " " "

192 " " " " "

194 " " " " "

196 " " " " "

198 " " " " "

200 " " " " "

202 " " " " "

204 " " " " "

206 " " " " "

208 " " " " "

210 " " " " "

212 " " " " "

214 " " " " "

216 " " " " "

218 " " " " "

220 " " " " "

222 " " " " "

224 " " " " "

226 " " " " "

228 " " " " "

230 " " " " "

232 " " " " "

234 " " " " "

236 " " " " "

238 " " " " "

240 " " " " "

242 " " " " "

244 " " " " "

246 " " " " "

248 " " " " "

250 " " " " "

252 " " " " "

254 " " " " "

256 " " " " "

258 " " " " "

260 " " " " "

262 " " " " "

264 " " " " "

266 " " " " "

268 " " " " "

270 " " " " "

272 " " " " "

274 " " " " "

276 " " " " "

278 " " " " "

280 " " " " "

282 " " " " "

284 " " " " "

286 " " " " "

288 " " " " "

290 " " " " "

292 " " " " "

294 " " " " "

296 " " " " "

298 " " " " "

300 " " " " "

302 " " " " "

304 " " " " "

306 " " " " "

308 " " " " "

310 " " " " "

312 " " " " "

314 " " " " "

316 " " " " "

318 " " " " "

320 " " " " "

322 " " " " "

324 " " " " "

326 " " " " "

328 " " " " "

330 " " " " "

332 " " " " "

334 " " " " "

336 " " " " "

338 " " " " "

340 " " " " "

342 " " " " "

344 " " " " "

346 " " " " "

348 " " " " "

350 " " " " "

352 " " " " "

354 " " " " "

356 " " " " "

358 " " " " "

360 " " " " "

362 " " " " "

364 " " " " "

366 " " " " "

368 " " " " "

370 " " " " "

372 " " " " "

374 " " " " "

376 " " " " "

378 " " " " "

380 " " " " "

382 " " " " "

384 " " " " "

386 " " " " "

388 " " " " "

390 " " " " "

392 " " " " "

394 " " " " "

396 " " " " "

398 " " " " "

400 " " " " "

402 " " " " "

404 " " " " "

406 " " " " "

408 " " " " "

410 " " " " "

412 " " " " "

414 " " " " "

416 " " " " "

418 " " " " "

420 " " " " "

422 " " " " "

424 " " " " "

426 " " " " "

428 " " " " "

430 " " " " "

432 " " " " "

434 " " " " "

436 " " " " "

438 " " " " "

440 " " " " "

442 " " " " "

444 " " " " "

446 " " " " "

448 " " " " "

450 " " " " "

452 " " " " "

454 " " " " "

456 " " " " "

458 " " " " "

460 " " " " "

462 " " " " "

464 " " " " "

466 " " " " "

468 " " " " "

470 " " " " "

472 " " " " "

474 " " " " "

476 " " " " "

478 " " " " "

480 " " " " "

482 " " " " "

484 " " " " "

486 " " " " "

488 " " " " "

490 " " " " "

492 " " " " "

494 " " " " "

496 " " " " "

498 " " " " "

500 " " " " "

502 " " " " "

504 " " " " "

506 " " " " "

508 " " " " "

510 " " " " "

512 " " " " "

514 " " " " "

516 " " " " "

518 " " " " "

520 " " " " "

522 " " " " "

524 " " " " "

526 " " " " "

528 " " " " "

530 " " " " "

532 " " " " "

534 " " " " "

536 " " " " "

538 " " " " "

540 " " " " "

542 " " " " "

544 " " " " "

546 " " " " "

548 " " " " "

550 " " " " "

552 " " " " "

554 " " " " "

556 " " " " "

558 " " " " "

560 " " " " "

562 " " " " "

564 " " " " "

566 " " " " "

568 " " " " "

570 " " " " "

572 " " " " "

574 " " " " "

576 " " " " "

578 " " " " "

580 " " " " "

582 " " " " "

584 " " " " "

586 " " " " "

588 " " " " "

590 " " " " "

592 " " " " "

594 " " " " "

596 " " " " "

598 " " " " "

600 " " " " "

602 " " " " "

604 " " " " "

606 " " " " "

608 " " " " "

610 " " " " "

612 " " " " "

614 " " " " "

616 " " " " "

618 " " " " "

620 " " " " "

622 " " " " "

624 " " " " "

626 " " " " "

628 " " " " "

630 " " " " "

632 " " " " "

634 " " " " "

636 " " " " "

638 " " " " "

640 " " " " "

642 " " " " "

644 " " " " "

646 " " " " "

648 " " " " "

650 " " " " "

652 " " " " "

654 " " " " "

656 " " " " "

658 " " " " "

660 " " " " "

662 " " " " "

664 " " " " "

666 " " " " "

668 " " " " "

670 " " " " "

672 " " " " "

674 " " " " "

676 " " " " "

678 " " " " "

680 " " " " "

682 " " " " "

684 " " " " "

686 " " " " "

688 " " " " "

690 " " " " "

692 " " " " "

694 " " " " "

696 " " " " "

698 " " " " "

700 " " " " "

702 " " " " "

704 " " " " "

706 " " " " "

708 " " " " "

710 " " " " "

712 " " " " "

714 " " " " "

716 " " " " "

718 " " " " "

720 " " " " "

722 " " " " "

724 " " " " "

726 " " " " "

728 " " " " "

730 " " " " "

732 " " " " "

734 " " " " "

736 " " " " "

738 " " " " "

740 " " " " "

742 " " " " "

744 " " " " "

746 " " " " "

748 " " " " "

750 " " " " "

752 " " " " "

754 " " " " "

756 " " " " "

758 " " " " "

760 " " " " "

762 " " " " "

764 " " " " "

766 " " " " "

768 " " " " "

770 " " " " "

772 " " " " "

774 " " " " "

776 " " " " "

778 " " " " "

780 " " " " "

782 " " " " "

784 " " " " "

786 " " " " "

788 " " " " "

790 " " " " "

792 " " " " "

794 " " " " "

796 " " " " "

798 " " " " "

800 " " " " "

802 " " " " "

804 " " " " "

806 " " " " "

808 " " " " "

810 " " " " "

812 " " " " "

814 " " " " "

816 " " " " "

818 " " " " "

820 " " " " "

822 " " " " "

824 " " " " "

826 " " " " "

828 " " " " "

830 " " " " "

832 " " " " "

834 " " " " "

836 " " " " "

838 " " " " "

840 " " " " "

842 " " " " "

844 " " " " "

846 " " " " "

848 " " " " "

850 " " " " "

852 " " " " "

854 " " " " "

856 " " " " "

858 " " " " "

860 " " " " "

862 " " " " "

864 " " " " "

866 " " " " "

868 " " " " "

870 " " " " "

872 " " " " "

874 " " " " "

876 " " " " "

# The Latest and the Best in Hot Water Heating

## AN AUTOMATIC CIRCULATOR

(Patent Applied for)

**Something which works while you sleep.** No anxiety as to whether the power for forced circulation is on or off. Should anything happen to the power, putting your forced circulation out of commission, this new device, not dependent upon anything except nature's laws, takes up its task automatically.

### ABSOLUTELY AUTOMATIC

**and it knocks everything else in forced circulation silly.** Made with single, double or multiple propellers as our customers desire. After three years' experience we **know** we have the best apparatus ever built, equally as efficient as the original **Electric Circulator** or its copies in operation, **simpler by far in construction, cheaper in price** and any one who can make up two flanged joints and attach a belt can install it.

**It is a winner. Drop a line to us and we will be glad to show you.**

We have a **new coupling** for pipe or boiler tubes which is worth looking up. We hope very soon to show steam men something for returning water of condensation and automatically producing a vacuum. We are still placing the **Castle Boiler** and ready to accept orders for best modern piping systems. Hot Water or Steam.

## The Castle Company

Heating Engineers

170 Summer St., Boston, Mass.

## KROESCHELL BOILER

MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.

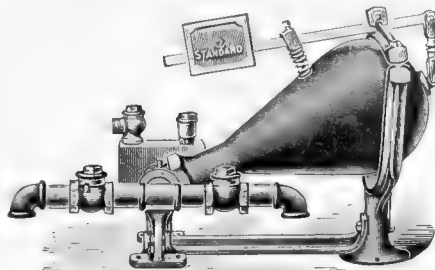
**METROPOLITAN MATERIAL CO.**  
GREENHOUSE WRECKERS

**GLASS** Look at these prices. New American 50 ft. to the box, 10 x 12 single \$1.00 per box, 10x12, 12x12 B. double \$2.00 per box, 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x12 B. double at \$2.15 per box, and 16x20, 16x24, 18x14 B. double \$2.26 per box. Discount on large quantities. Let us quote you on

CYPRESS MATERIAL HOTBED SASH  
BOILERS PIPE FITTINGS  
HOTBED FRAMES PLATS

1399-1408 METROPOLITAN AV., BROOKLYN, N. Y.

## THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**  
YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

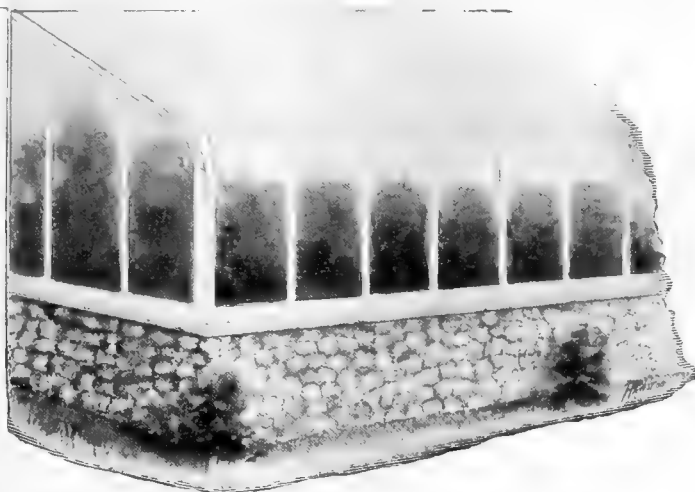
61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

**In writing to Advertisers kindly mention Horticulture**





PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.



### The Advance Ventilating Apparatus

We not only give you the best ventilating apparatus on the market, the strongest, easiest operated, and the most lasting, but we sell the same at reasonable prices and profits. All we need — all we ask — is a trial to show you that our claims are not overdrawn. Get our estimates.

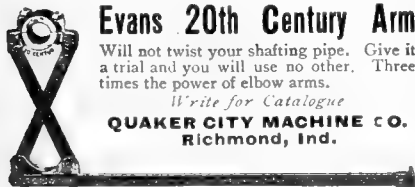
**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419



### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

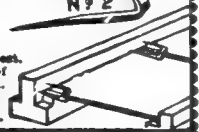
Write for Catalogue  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

### Holds Glass Firmly

See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 15 cts. postpaid.  
**HENRY A. DREE,**  
114 Chestnut St., Phila., Pa.

FULL SIZE  
Nº 2



The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John G. Esler, Sec'y, Saddle River, N. J.**

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS 82 feet or longer HOT BED SASH PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

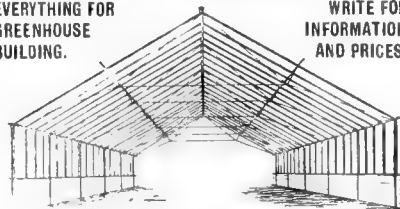
Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.



FOR Greenhouse Glazing

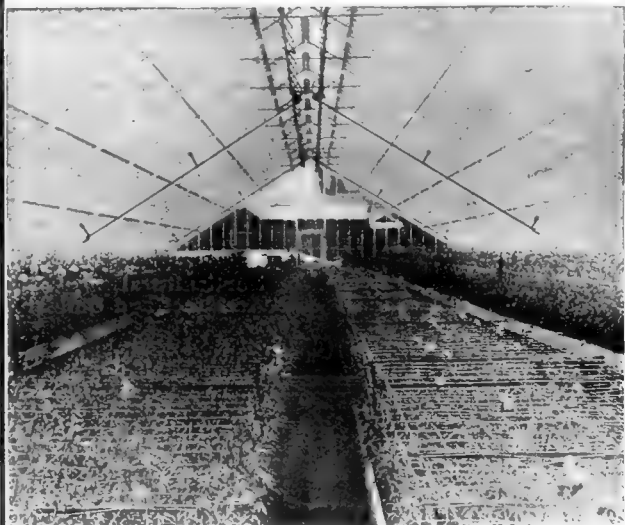
USE IT NOW.

**F. O. PIERCE CO.**

12 W. Broadway and  
227 Greenwich St.  
NEW YORK

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789

NEW YORK CITY, N. Y.

## *The Handy Hand Book*

### SOME DAY YOU WILL WANT HEAT FITTINGS

AND WANT THEM QUICK —

just think how mighty convenient it would be that day to have a book handy on a hook, that lists, describes, illustrates and prices not only exactly the heating fittings you want, but every piece, stick or fitting required to erect and equip a greenhouse.

The whole greenhouse proposition would be right before you under the two covers of *one book*. A sort of boiled down, bound together catalog so arranged that you can find what you want in a jiffy. That is exactly what our Handy Hand Book is. It is now just ready — edition limited, send at once for it.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

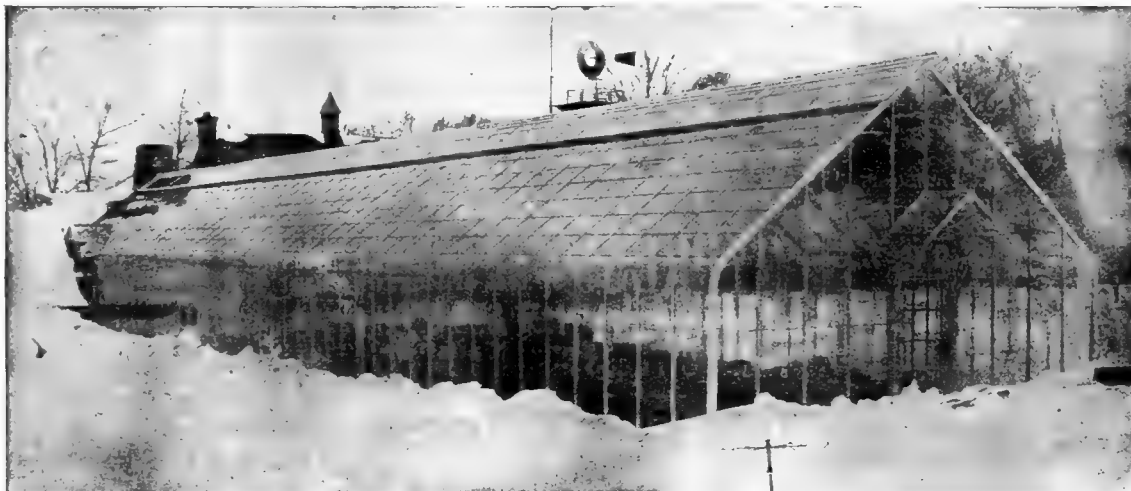
1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



### THEY HAVE SNOW-FREE ROOFS

Snow won't stay on—no gutter or eave plate to back it up. The U-Bar is the only successful curved eave house. It is the lightest, strongest, simplest, most enduring, attractive and productive house, and costs less to maintain. Send for catalog.

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. JULY 25, 1908 No. 4



GLOXINIAS

Photo by W. H. W. Co.

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*



## COLD STORAGE

### LILIUM SPECIOSUMS AND AURATUMS, &c.

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

#### LILIUM SPECIOSUM RUBRUM—Cold Storage.

8—9 inch bulbs, 225 in a case.....\$6.50 per 100; \$60.00 per 1000  
9—11 inch bulbs, 125 in a case.....\$10.00 per 100; \$90.00 per 1000

#### LILIUM SPECIOSUM ALBUM—Cold Storage.

8—9 inch bulbs, 225 in a case.....\$9.00 per 100; \$80.00 per 1000  
9—11 inch bulbs, 125 in a case.....\$14.50 per 100; \$140.00 per 1000

#### LILIUM SPECIOSUM MELPOMENE—Cold Storage.

8—9 inch bulbs, 225 in a case.....\$7.50 per 100; \$70.00 per 1000  
9—11 inch bulbs, 125 in a case.....\$11.00 per 100; \$100.00 per 1000

#### LILIUM AURATUM—Cold Storage.

9—11 inch bulbs, 125 in a case.....\$9.00 per 100; \$85.00 per 1000

#### LILIUM LONGIFLORUM GIGANTEUM—Cold Storage.

7—8 inch bulbs, 300 in a case.....\$8.00 per 100; \$70.00 per 1000; \$21.00 per case  
8—9 inch bulbs, 300 in a case.....\$9.00 per 100; \$85.00 per 1000; \$25.00 per case  
9—10 inch bulbs, 200 in a case.....\$14.00 per 100; \$120.00 per 1000; \$25.00 per case

All Cases Repacked and Bulbs guaranteed sound.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK CITY

## GERANIUMS ... OUR ... SPECIALTY

Our collection is the finest and most extensive in the country embracing the cream of the Standard sorts and new varieties from the foremost introducers in the world. We have a fine stock ready for immediate shipment from 2 in. pots, Standard sorts at \$2.00 per 100 and up. We will send 100, fifty each of twenty varieties, our selection, for \$18.50. A splendid collection to stock up on. 500 for \$9.50. We have the following in extra fine shape in 2 inch pots ready for 3 inch, just the stock to grow on for Christmas.

S. A. NUTT.....\$2.00 per 100  
ALPH. RICARD.....2.00 "  
E. H. TREGO.....3.00 "  
PETER HENDERSON.....3.00 "

MRS. LAWRENCE.....\$3.00 per 100  
LA PILOTE.....2.00 "  
BERTHE DE PRESILLY.....3.00 "  
PAUL CRAMPPEL.....6.00 "

Smilax strong plants from 2 in. pots, \$2.00 per 100, \$18.50 per 1000. Hardy Chrysanthemums good assortment, \$2.00 per 100, \$18.50 per 1000.  
R. VINCENT, JR. & SONS COMPANY, WHITE MARSH, MD.

## GOLD STORAGE LILIES

Multiflorum, 9 to 10, case of 200 bulbs .....per case, \$15.50  
Giganteum, 7 to 9 case of 300 bulbs ..... " 21.00  
" 9 to 10, case of 200 bulbs ..... " 21.00  
Rubrum, 8 to 9, case of 130 bulbs..... " 8.00

CURRIE BROS. CO., 312 Broadway, MILWAUKEE, WIS.

Asparagus plumosus nanus, Sprengerii, 3 in. \$4.00 per 100.  
Aspidistra, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Araucaria, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Adiantum, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Ficus elastica, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Dracena, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Cocos Weddelliana, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Lantana, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Kentia, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Smilax, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Poinsettia, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
Nephrolepis, excellent plants, 4 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.

Absolute Satisfaction Guaranteed.

M. H. ROSE, 46 Macomb Street, Detroit, Mich.

## Special Low Prices

On large Specimen Kentias, Palms in Variety, Araucarias, etc., for Decorating Purposes.

### JUST RECEIVED

A large shipment of medium sized Kentias, Arecas, Cocoses, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

A. LEUTHY & CO., Perki's St. Nurseries, ROSLINDALE, MASS.

## Araucarias, Kentias Bay Trees

**Araucaria Excelsa Glauca.** Sp. cimen Plants, 7 in. pots, 6 year old, 5 tiers, 25 to 40 inches high, same in width, \$2.00, \$3.00, \$4.00 to \$4.00 each.

**Robusta Compacta.** 6 in. pots, \$1.25, \$1.50 each. **Excelsa.** 3 tiers, 8 to 10 inches, 3 1/4 in. pots, 4 in. 5 1/2 to 7 in., 2 to 3 years old, 1 1/4, 4, 5 tiers, 10 to 20 inches high, 50c, 60c, 75c, \$1.00 each.

**Kentia Belmoreana.** 5 1/4 to 5 1/2 in. pots, 22 to 25 ins. high, 50c, 60c, 75c. **Forsteriana.** 7 in. pots, made up, 4 in. and above, \$3.00 each. 6 to 7 in. 3 1/2 in. high, single, \$2.00. 6 in. pots, 30 in. high, \$1.50. 6 in. 25 to 28 in. high, 75c to \$1.00 each. 5 1/4 in. pots, 20 to 25 in. high, 50c to 60c.

**Bay Trees,** just arrived from Europe, Standard, 8-ft. high from top of tub, crown 30 inches in diameter, per pr., \$15.00.

**Solanum or Jerusalem Cherries,** new improved strain, 2 1/2 in. pots, \$5.00 per 100.

**Begonia Gloire de Lorraine,** raised from leaf cuttings, 3 inch pots, ready for shift into 4 or 5 inch, 25c.

Cash with order, please. All goods must travel at purchaser's risk

## Godfrey Aschmann

Importer, Wholesale Grower and Shipper of Pot Plants

1012 West Ontario St. Philadelphia, Pa.

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR BUSH PLANTS IN POTS Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early Mid-season and Late, 2 1/2 in. 50c per doz., \$3 per 100. 4 1/2 in. in pots, \$1 per doz., \$8 per 100.

PRIMULA OBCONICA and P. CHINENSIS

Best Varieties Ready Now, 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

FRANK OECHELIN

2570-2606 W. Adams St., Chicago.

Formerly Garfield Park Flower Co.

## A. N. PIERSON, Inc. CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns.

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100 \$140.00 per 1000

## Thomas Roland, Nahant, Mass.

## Begonia Gloire de Lorraine

Strong 2 1/2 in. pot plants, leaf cuttings, \$15 per 100, \$140 per 1000. Immediate Delivery

S. S. SKIDELSKY, 1741 No. 18th St. PHILADELPHIA

**BEWARE** — of the Rubbish Heap **Advertise! Advertise!** Space in Horticulture is reasonable and effective. Try it and you'll have no surplus to throw away.



# LILIUM HARRISII

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock.

We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July.

6-7 in. bulbs, 350 to the case, \$6.00 per 100, \$50.00 per 1000 }  
 7-9 in. bulbs, 200 to the case, 9.00 per 100, 80.00 per 1000 } Full Case Lots at Thousand Rates  
 9-11 in. bulbs, 100 to the case, 18.00 per 100, 170.00 per 1000 }

**FREESIA REFRACTA ALBA** Bermuda-grown, finest selected bulbs, ½-in. up, \$1 per 100, \$7.50 per 1000.  
 French-grown, Mammoth size, ¾-in. up, \$1.50 per 100, \$12 per 1000.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Begonia Gloire de Lorraine

Strong bushy plants, grown from single leaf, \$15.00 per 100, \$140.00 per 1000.

## Begonia Agatha

(Veitch) improvement on Begonia Gloire de Lorraine, an easier grower, earlier flowering, of a most pleasing shade of soft satiny pink; \$18.00 per 100.

Can furnish thrifty young plants of either variety, grown from cuttings, at \$8.00 per 100. Strong 4 inch plants, \$35.00 per 100. Now ready for shipment.

Cash with order from unknown correspondents

**J. A. PETERSON**

Wholesale PLANT GROWER

McHENRY AVE., WESTWOOD, CINCINNATI, O.

## CARNATIONS

FIELD GROWN, NOW READY

**Fair Maid and The Queen** the two best Bread and Butter Carnations on the market. Our Plants are equal to the best in New England. Extra strong, stocky, healthy plants. Order now, and we will ship when you want them.

**FAIR MAID**, \$40 per 1000  
**THE QUEEN**, 40 per 1000

**AUGUST CAEDEKE & CO.**

25 Concord Street,

NASHUA, N. H.

## FIELD GROWN CARNATIONS

**Immediate Delivery**

For prices and varieties address

**CHARLES H. TOTTY, MADISON, N. J.**

## HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

**ROMAN HYACINTHS** and the true **PAPER WHITE GRANDIFLORA**

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
 Rep. by **FELIX BOSCH**, 260 Clarendon St., Boston.

## FIELD CARNATIONS

High Land Grown

	Per 100
Rose Pink Enchantress . .	\$6.00
Enchantress . . . . .	6.00
Lady Bountiful . . . . .	6.00
Harlowarden . . . . .	5 00

Splendid Plants

	Per 100
White Lawson . . . . .	\$6 00
Pink Lawson . . . . .	6.00
Red Lawson . . . . .	6 00
Robert Craig . . . . .	6.00

Stock Now Ready for Shipment

**UNITED STATES CUT FLOWER CO., Elmira, N. Y.**

## BAY STATE

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

## LAWSON ENCHANTRESS

**The Enchantress with the Lawson Color**

Field grown plants, extra fine for shipment at once. Satisfaction guaranteed. \$12.00 per 100, \$100.00 per 1000. **ENCHANTRESS** \$6.00 per 100, \$55.00 per 1000. Cash with order or satisfactory reference.

**THE CHAS. KNOPF FLORAL CO.,**

**Richmond, Indiana.**

## JOHN E. HAINES

**Bethlehem, Pa.**

Field plants of the following varieties will be ready by August 1st.

	Per 100	Per 1000
John E. Haines, red Imperial variegated	\$6.00	\$50.00
Pink Imperial, Pink Enchantress, Light Pink		
Place your orders early for Jan. delivery.		

## CARNATION PLANTS

5000 Enchantress, 1000 Rose Enchantress, 1000 Bountiful, 5000 good Scarlet Seedlings: All at \$7.00 per 100. \$50.00 per 1000. 1000 Boston Market, 4000 Enchantress No. 2, 2000 Penn, 4000 Queen, 2000 White Lawson: \$4.00 per 100, \$35.00 per 1000. Also 400 Grafted Bride Roses at \$10.00 and 300 Pres Cannot at \$4.00.

**WORCESTER CONSERVATORIES**

L. C. MIDGLEY, PROP.

Worcester, Mass.

## CARNATIONS

**F. DORNER & SONS CO.**

**La Fayette, Ind.**

## 100,000 Field-Grown CARNATION PLANTS

**Ready Aug. 15th**

**CHICAGO CARNATION CO., JOLIET, ILL.**

A. T. PYFER, Mgr.



## GRAFTED ROSES

Special Bargain Sale  
Extra fine Stock from 3 inch pots.

KILLARNEY, CARNOT, KAISERIN,  
UNCLE JOHN, RICHMOND,

\$2.50 per dozen \$15.00 per 100

BRIDE, BRIDESMAID, GOLDEN  
GATE, LA FRANCE,

\$2.00 per dozen \$12.00 per 100

### OWN ROOT

KILLARNEY, KAISERIN, RICHMOND  
from 3 inch pots, \$7.00 per 100.

BRIDE, BRIDESMAID, GOLDEN  
GATE

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

WOOD BROTHERS, Fishkill, N.Y.

## ROSES

Own roots. Propagated from grafted stock.  
Strong plants.

LAIDS and BRIDES, 3 inch pots \$4.00 per  
100; \$35.00 per 1000.

WELLESLEY and ME. de WATTEVILLE,  
4 inch, \$5.00 per 100.

MME. CHATENAY, 4 inch, \$5.00 per 100;  
\$45.00 per 1000.

### CHRYSANTHEMUMS

Touset, Claude Dean, Balfour, Pink Ivory,  
Oct. Frost, Fnguehard: 2½ inch pots,  
\$3.00 per 100. Strong plants, not pot bound.

S.J. REUTER & SON, Inc. Westerly, R.I.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind  
Hardy Rhododendrons Azaleas Con-  
ifers, Clematis, H. P. Roses, Shrubs  
and Herbaceous Plants from our  
HOLLAND NURSERIES

Prices Moderate

P. OUWERKERK, 216 Jane St., Westchester Heights  
P. O. No. 1, Hoboken, N. J.

## ROBERT CRAIG CO.

### ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## DAHLIAS.

Now is the time to  
place your order for  
bulbs which will insure  
you getting named var-  
ieties in any quantity; prompt delivery.

DAVID HERBERT & SON,  
Successors to L. K. Peacock, Inc.  
ATCO, N.J.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

# PALMS

### COCOS WEDDELLIANA

2½ in. pot, 8 to 10 in. high ..... 10 cents each  
2½ in. pot, 10 to 12 in. high ..... 15 cents each

### KENTIA BELMOREANA

High Each Doz.  
6-in. pot, 6 to 7 leaves, 20 to 24 in. \$1.25 \$12.00

6-in. pot, 6 to 7 leaves, 24 to 26 in. 1.25 15.00

6-in. pot, 6 to 7 leaves, 26 to 28 in. 1.50 18.00

7-in. pot, 6 to 7 leaves, 30 to 36 in. 2.50 30.00

7-in. pot, 6 to 7 leaves, 32 to 34 in. 2.50 30.00

9-in. tub, 6 to 7 leaves, 42 to 48 in. 5.00 60.00

### KENTIA FORSTERIANA

High Each Doz.  
6-in. pot, 6 to 6 leaves, 25 to 30 in. \$1.00 \$12.00

6-in. pot, 6 leaves, 30 to 34 in. 1.25 15.00

6-in. pot, 6 leaves, 34 to 37 in. 1.50 18.00

### KENTIA FORSTERIANA

Made Up Plants

High Each Doz.  
6-in. pot, 4 plants to pot, 34 to 36 in. \$2.50 \$30.00

9-in. tub, 4 plants to tub, 42 in. 4.00 48.00

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT, - - - ENGLAND

# 100,000 Peonies

For September and October Delivery

We offer over Two Hundred of the leading varieties. Send for descrip-  
tive catalogue and wholesale list.

COTTAGE GARDENS COMPANY, INC.

Queens, Long Island, New York

## HARDY NEW ENGLAND GROWN NURSERY STOCK

Specimen Evergreens for August Planting

Large collection of choice varieties several times transplanted. *Herbaceous Perennials*, Strong field-grown plants in great variety for *September planting*. Catalogues containing everything for the Home Grounds Free.

THE BAY STATE NURSERIES, North Abington, Mass.

AMERICAN NURSERY COMPANY,  
COMBINING

FRED'K W. KELSEY, New York City. F. & F. NURSERIES, Springfield, N. J.

BLOODGOOD NURSERIES, Flushing, L. I. N. J. & L. I. NURSERIES.

We can supply you every need. Write for prices.

Sales Department, - 150 BROADWAY, NEW YORK

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

Established 40 Years

Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

## The Roses that Win

MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.  
Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.

## ROSES

Surplus Stock, from 3½ in Pots,

RICHMOND, \$5.50 per 100

Chatenay and Ivory, \$4.50 per 100.

JAS. J. CURRAN, Salem Con- servatories SALEM, VA.

## Notes from the Arnold Arboretum

The effects of the prolonged drought of the last weeks was already noticeable at the Arboretum in many shrubs particularly in the drier situations, when the heavy showers about the beginning of this week intervened just in time to save them. The drought affected to some extent also the flowering of many plants, shortening the flowering time of some shrubs and hastening the development of the flowers in others. This is for instance the case with the Sorrel-tree, *Oxydendrum arboreum*, which usually does not begin to bloom until the end of the month; several small trees of it are now in full bloom at the foot of Hemlock Hill and are very handsome objects viewed against the dark background. This graceful tree, very attractive with its large and lax nodding panicles of small white flowers, is not so often planted as it deserves. Besides its value as a late flowering tree it is exceedingly beautiful in autumn, when its foliage assumes a brilliant scarlet color. In the Alleghanies, its native habitat, it grows into a slender tree 30 or even 40 feet high, but with us it usually remains a low shrubby tree; it is perfectly hardy here and begins to bloom when it is still a small shrub.

*Rubus odoratus*, though in flower since some time, attracts now more attention when so few shrubs are in bloom; with its large purple flowers and the handsome maple-like leaves it is very attractive and well suited for borders of shrubberies particularly in more shaded situations. As it spreads much by suckers, it should not be planted near small and tender shrubs which would soon be crowded out by it.

Less showy are the American *Diervillas* of which *Diervilla sessiliflora* and *D. rivularis* are in flower while *D. Lonicera* (*D. canadensis* or *trifida*) is already out of bloom. *Diervilla rivularis* is a recently introduced species yet but little known outside of botanic collections; it is like the other species, a low shrub with small pale yellow flowers in terminal clusters denser than those of *D. sessiliflora* and much larger than those of *D. Lonicera*. Though the flowers of these shrubs are not showy, they will help to add variety to the shrubbery at this time of the year.

A handsome shrub is *Indigofera Gerardiana*, often cultivated under the name of *I. Dosua*, a small shrub with grayish green pinnate leaves and light purple flowers in axillary racemes. It is not perfectly hardy, but if killed back it springs up again from the base and the young shoots will flower the same year.

The original form of *Hydrangea paniculata* begins now to flower; it is not as showy as its more popular variety *grandiflora*, which is not yet in full bloom, but with its large panicles of creamy white flowers it is one of the most conspicuous shrubs in bloom.

Among the fruiting shrubs there ought to be mentioned in the first line *Prunus virginiana* var. *leucocarpa*, which is very beautiful with its drooping racemes of amber-colored fruits; it is certainly much more con-

spicuous in fruit than the common Choke Cherry, *P. virginiana*, which has dark purple or finally almost black fruits.

Also the Dogwoods as *Cornus stolonifera*, *C. alba* and *C. Baileyi* are now conspicuous by their clusters of white fruits which will last for some time.

*Clematis tangutica*, a recently introduced Siberian species is very handsome with its large feathery heads made up of fruits with long hairy tails; the large yellow flowers appear in June.

The Staghorn Sumac is now very showy with its dense panicles of scarlet fruits, but still more handsome is its variety *Rhus typhina* var. *dissecta* (*R. typhina* var. *laciniata* of gardens, not of Wood) with its graceful, finely cut foliage surmounted by the scarlet fruits; on account of its fruits it is superior to the similar *R. glabra* var. *laciniata*, which does not bear fruits and is moreover tender in this section of the country.

The Alder Buckthorn, *Rhamnus Frangula*, is attractive with its shining black fruits borne in small axillary clusters along the branches; as the fruits when they begin to ripen change from greenish white to red and finally to black and are ripening in succession, the differently colored fruits in the same clusters give a pleasing variety; the lustrous foliage turns bright yellow in fall.

Alfred Rehder.

## Gloxinias

These beautiful summer blooming plants are too well known to need any detailed description from me at this time, and as for elaborate cultural practice it is also not my purpose to enter into, as this has been threshed over and over again with no small skill.

My purpose is simply to endorse the never-failing charms of the subject of the frontispiece of this paper, which, in this particular case, is a nice specimen plant of the so-called "Spotted Gloxinia." Amongst them usually are to be found elegant types. Choice types when they do appear should be jealously taken care of and seed secured from them. In doing this practical isolation from inferior kinds is absolutely necessary. To perpetuate true to the original extra kinds as they appear, leaf cuttings are resorted to. Considerable fascination, on the other hand, attaches always to the speculative results from new seed, whether that be from the ordinary sources of supply or from our own labors in this line. Gloxinias, though delicate and easily battered by rough handling, are among the longest keepers as cut flowers. They are furthermore indispensable to the gardener for keeping the greenhouse gay in the summer and autumn months.

H. F. Furbush

# HORTICULTURE

VOL. VIII

JULY 25, 1908

NO. 4

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page ..... \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Gloxinias.	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder .....	97
GLOXINIAS—K. Finlayson .....	97
BRITISH HORTICULTURE—W. H. Adsett.....	99
SOCIETY OF AMERICAN FLORISTS:	
Preliminary Program—Preparing for the Niagara Trip .....	100
"Buffalo Day"—Trade Exhibition Space—The National Flower Show.....	101
DURING RECESS:	
St. Louis Florist Club's Annual Picnic—Buffalo Florists' Club—Chicago Florists' Club Picnic—Notes .....	101
NEWS OF THE CLUBS AND SOCIETIES:	
Canadian Horticultural Society—Florists' Club of Washington—Summer Exhibition at Lake Forest, Ill.—Emil Bollinger, Portrait—The Bollinger Trophy, Illustrated—Massachusetts Horticultural Society .....	102
Detroit Florists' Club—New Orleans Horticultural Society—Club and Society Notes.....	103
PERFECTION IN PETUNIAS—G. C. Watson, Illustrated .....	103
LEMOINE'S DEUTZIAS.....	103
FLOWER PICTURES IN PARIS SALON—C. Harman Payne .....	104
SOME PEONY OBSERVATIONS—C. Betscher.....	105
A CAULIFLOWER SEED PLANTATION—Illustrated	105
FOREIGN NOTES:	
Exhibition in Turin—A Newspaper Flower Show—French Horticulturists in London—C. H. P.....	106
FISHKILL .....	107
SEED TRADE.....	108
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Indianapolis, New York, Philadelphia .....	113
MISCELLANEOUS:	
Movements of Gardeners.....	103
Catalogues Received .....	104, 108, 109
Greenhouses Building or Contemplated.....	107
Personal .....	110, 111
Steamer Departures .....	110
Business Changes .....	111
New Retail Flower Stores.....	111
News Notes .....	111
Plant Trade in Chicago .....	111
Incorporated .....	111
Obituary .....	113
Publications Received .....	113
Freely Give—Poetry.....	113
List of Patents.....	121

mechanical or otherwise, connected with his art. We think it was Hiram M. Stanley who said that "if man were not at bottom an animal who cunningly devises means to save himself trouble, civilization would never have been born." That the friends and exponents of horticulture stand in the foremost line in developing and expanding civilization of the highest type is a proposition which we believe will be assented to by every one who reads these lines. Further it will not be seriously questioned that the horticulturist who persistently neglects or repudiates these modern appliances in construction and equipment of greenhouses and in material and methods of culture and use of his product which his talented fellow-workers are constantly placing at his disposal is making a serious mistake. While urging our readers to peruse with care and fully investigate all such evidences of progress as are presented in our columns from week to week we would couple with it a reference to the approaching opportunity in the trade exhibition to be held under the auspices of the S. A. F. at Niagara Falls next month. Every one wishing to keep in intelligent touch with the advancement in any or all branches of his art should make it his business to be present on that occasion. He will find in the exhibition alone plenty of interest and instruction to keep him occupied and will go home with a higher estimation of his business and the men engaged in it and a better conception of its possibilities for the future.

It does seem that, notwithstanding all the time and money used in investigating and fighting the various insects and fungous pests that vex the horticulturists and the community in general, each year sees an actual increase in territory menaced and damage done. Gypsy moth, brown tail moth, tussock moth, elm leaf beetle, San Jose and other scales, weevils and blights may be temporarily conquered in one district and an optimistic feeling is encouraged until we learn that in some other place the attacks are doubled in severity and when another season comes around we find the tables turned and the trouble again doing business at the old stand with intensified activity. Just how much these periodic outbreaks are attributable to neglect caused by a feeling of security may not be apparent but when we read in a contemporary that such a man as Professor Southwick, entomologist for the park system of Manhattan, "reports that the tussock moth is no longer a real danger to the trees of the city" we are constrained to believe that either the gentleman has been misquoted or the foolkiller is not attending to his job. If there is any situation where "eternal vigilance is the price of liberty" in its strongest sense it is in dealing with insect pests. The almost inconceivable rapidity of multiplication of these creatures is not sufficiently recognized. The plea of economy touches a very responsive chord in a community after a costly battle has been successfully waged and the enemy, never idle, is given opportunity to gather strength for the next onslaught. Not until the laws as to individual responsibility are made much more stringent can we hope for any permanent relief from these pestilent conditions. As it is, one indifferent or obstinate owner can nullify much of the public and private effort to exterminate any one of these insects. The ceaseless enforcement of a drastic law may bring distress in individual cases here and there but we see no alternative at present.

Every issue of HORTICULTURE contains more or less information concerning new inventions, labor saving devices and clever adaptations intended to benefit the horticulturist by simplifying the processes,

Civilization's  
stimulus

## British Horticulture

### THE ROSE SHOW AWARDS

Under ideal conditions, the National Rose Society's show was held on July 3rd, when a brilliant display greeted the record crowd of visitors. The championship prize in the nurserymen's section was won by Messrs. D. Prior & Son. The judges awarded the prize for the best H. P. rose to A. K. Williams, whilst the H. T. prize winner was William Shean, and the best Tea rose Mrs. Miles Kennedy. Gold medals were awarded to two novelties. These were Mrs. J. Campbell Hall, a new Tea, with creamy petals, tinged with rose, shown by Dr. J. C. Hall, Rowantree, Monaghan, and Mita Weldon, a creamy-white Tea, shown by Messrs. Alex. Dickson. Ireland again retained its reputation for raising new varieties. Cards of commendation were granted to Shower of Gold, a yellow Rambler variety, shown by Paul & Son; W. R. Smith, shown by Hugh Dickson, and an unnamed Tea, and a pretty variety named Grace Molyneux—these latter being shown by Alex. Dickson & Son. Earl of Gosford, a carmine H. T., staged by Messrs. McGreedy & Son, also received a card of commendation. Some pleasing effects were produced by the groups. Messrs. Hobbies, Ltd., who secured the premier award, had a tasteful arrangement of the best known varieties, a good use being made of Dorothy Perkins, Hiawatha, and Lady Gay. In the foreground were several baskets of roses on stands, with an edging of ferns, *Isolepis gracilis*, etc.

### FRENCH AND BRITISH RIVALRY

This year London has in its midst a Franco-British exhibition, which is attracting many foreign visitors to our shores. The ornamental white buildings contain the finest works of art and specimens of handicraft from the two countries, and it is the best exhibition which has yet been seen in the Metropolis. In the grounds the leading British and French nurserymen are displaying their choicest flowers in gay parterres. The first of the flower shows has recently been held. The number of French nurserymen who competed was somewhat limited. Messrs. Maron et Fils, Brunoy, had an excellent group of orchids, Messrs. Millet & Son, Bourg-la-Reine, displayed strawberries, and Mons. Lagrange, Paris, a collection of nymphæas. The British nurserymen were fully represented. A grand display of cannas was made by Messrs. Cannell, who also have some well arranged groups in the grounds. Begonias were superb in the collection of Messrs. T. S. Ware, Ltd. Lady Cromer, of a delightful shade of pink, was one of the best. Gold medals were granted to the following firms: Messrs. Hugh Low & Co., H. Cannell & Sons, Lord Howard de Walden, Armstrong & Brown, George Mount, T. S. Ware, Ltd., G. & A. Clark, G. & H. Burch, the Hon. Vicary Gibbs, H. B. May & Sons, Dobbie & Co., George Bunyard & Co., J. Hill & Son, T. Rivers & Sons, W. Fromow & Sons, Mons. Debree and Sir Jeremiah Coleman. The jury who made the awards was composed of seven English and the same number of French horticulturists, Col. D. Prain, C. I. E., being the president, and Mons. Viger, the vice-president.

### THE HOLLAND HOUSE SHOW

A gratifying success attended the annual summer show of the Royal Horticultural Society in the grounds of Holland House, Kensington, on July 7th and 8th. Roses were, of course, a special feature. Four new introductions of Messrs. Alex. Dickson & Sons received awards of merit. George C. Waud is a shapely H. T., of an orange-vermilion tint. It had been shown previ-

ously under the name of Sir Henry Irving, but to avoid confusion with the Henry Irving rose known to American growers the title was altered. A splendid addition to the H. T. section has been made in Mrs. David Jardine, which is of excellent form and of a shell-pink shade. Molly Sharman Crawford is a pure Tea variety, with graceful reflexed petals, and is of a pale lemon hue. The fourth of Messrs. Dickson's batch was Edith Coulthwaite, an H. T. of a salmon pink shade. Other novelties which received an award of merit were Begonia Duchess of Cornwall, a double of rich crimson; B. Frilled Queen, pink; Delphinium Progression, white with a slight shading of yellow in the centre; D. Statuaire Rude, semi-double flowers of a pale mauve tint; Viola Ernest Needham, purple on the margins, and the rest white, except for a shade of yellow in centre; Tunica saxifraga fl. pl., a double-flowered form of a pink shade.

The fruit committee gave an award of merit to a hybrid berry, Low Junior, which has been obtained by crossing a blackberry with a loganberry. The deep black fruit is about 1 or 1 1/2 inches in length and has a pleasing flavor.

### A SUCCESSFUL PROVINCIAL SHOW

This year the summer flower show at York reached its jubilee under auspicious conditions. A deputation from the Royal Horticultural Society attended. As a fitting commemoration of the Society's 50th year the committee provided four special prizes. The first of these was for a festal display of plants and flowers grouped for effect, covering an area of 30 feet by 14 feet. The first prize, won by Mr. W. A. Holmes, Chesterfield, had a skilfully arranged group. In the next class prizes were awarded for a display of garden products arranged for effect, occupying an area of 20 feet by 6 feet. The third class was for an exhibit of bulbous and allied plants, also cut flowers associated with retarded plants. There was a special class for a display of produce from Yorkshire gardens only, but there was only one entry. The gold jubilee medal offered for the best exhibit in the show was taken by Messrs. James Backhouse & Son, who provided an artistic arrangement from their comprehensive collection of alpine and rock plants. There were two awards of merit granted, viz., to Marguerite pink Queen Alexandra, shown by Messrs. R. P. Ker & Son, and to *Nepenthes x excelsa* exhibited by J. Veitch & Sons. Despite the unfavorable weather on the opening day, the receipts were very satisfactory. The show still retains its popularity amongst Yorkshire people, who make a gala of the event, whilst the trade continues to give it their whole-hearted support.

### A PLEASING COINCIDENCE

In a list of sixteen rose novelties recently published twelve were raised in Ireland, including the now famous Dean Hole, which is steadily gaining popularity and a fitting rose to bear the honored name of the first president of the National Society. It is a somewhat singular fact that of the three roses selected by the committee of the National Society as being the best in their respective classes one bore the name of the first president of the National Society, the second the wife of the president of the German Society (Frau Karl Druschki) and the third Madame Jules Gravereaux, the wife of the president of the French Rose Society.

*W. H. Adsett.*

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

## Preliminary Programme of the Twenty-Fourth Annual Meeting and Exhibition to be held at Niagara Falls, N. Y., August 18th, 19th, 20th and 21st, 1908

### OFFICERS FOR 1908.

**PRESIDENT**—F. H. Traendly, 44 W. 28th St., New York, N. Y.  
**VICE-PRESIDENT**—Geo. W. McClure, 832 W. Delavan Ave., Buffalo, N. Y.  
**SECRETARY**—W. N. Rudd, Morgan Park, Ill.  
**TREASURER**—H. B. Beatty, Farmers' Bank Bldg., Pittsburg, Pa.

### DIRECTORS.

**For One Year;** E. V. Hallock, Theodore Wirth.—**For Two Years;** Samuel Murray, J. K. M. L. Farquhar.—**For Three Years;** George Asmus, John Young.—**Ex-Officio;** Wm. J. Stewart.

### TRANSPORTATION.

**Points West and South of Buffalo, and Canadian Points.**—Reduced rates have been refused by the passenger associations covering this territory. There are, however, from nearly all cities reduced excursion tickets on sale to Niagara Falls and return, also to Toronto and return by way of Niagara Falls, with stop-over privileges. Members are advised to consult with their local ticket agents, and also to communicate with the secretaries of florist clubs in the larger cities, with a view to joining their parties and taking advantage of any special arrangements they may make.

**Points in the U. S. East of Buffalo, including Pennsylvania, West Virginia, Maryland and the City of Washington and Vicinity.**—(Territory covered by the Trunk Line Association and the New England Passenger Association, except the Bangor & Aroostook R. R., the Eastern Steamship Company and the N. Y., O. & W. R. R.)

A concession of fare and three-fifths on the certificate plan has been secured for those attending the meeting of Society of American Florists and Ornamental Horticulturists, Niagara Falls, N. Y., August 18-21.

### PROGRAMME.

**First Day, Tuesday, August 18—**  
**Opening Session, 2 P. M.**

Address of welcome and responsive address.

#### President's Address.

Annual address of the President. Reports of Secretary, Treasurer, State Vice-Presidents, Committees and other officers.

#### Judging Exhibits.

Judges will examine and prepare their reports upon the novelties and new inventions in the trade exhibition immediately after the close of the opening session.

**Florists Hall Association, 4.30 P. M.**  
 Annual meeting.

**President's Reception, 7.30 P. M.**

**Second Day, Wednesday, August 19—**  
**Morning Session, 9.30 A. M.**

The members of the Canadian Horticultural Association will attend this session. Welcome to our Guests, by President Traendly. Response by President Walsh. Paper—Fertilizers and Fertility, J. F. Cowell. Discussion.

### Selection of Next Meeting Place and Nomination of Officers.

The selection of the location of the next meeting (polls open one hour) and nomination of officers for next year will take place at this session.

#### Ladies' Auxiliary.

Ladies' Auxiliary of the S. A. F. & O. H., 10 A. M.—annual meeting.

#### Afternoon, 2.30 P. M.

The members of the S. A. F. & O. H. are invited to attend the session of the Canadian Horticultural Association at the Clifton House, Niagara Falls, Ontario.

#### Evening Session, 7.30 P. M.

Illustrated Lecture by J. Horace McFarland—How Florists May Aid in the Crusade Against Ugliness. The members of the Canadian Horticultural Association are invited to be present at this meeting, and the public will be admitted. Admission by ticket, to be obtained from Secretary Ewing, for members C. H. A.; Secretary Rudd, for members S. A. F. & O. H.

#### Notice.

All tickets not applied for by 12 o'clock noon, Wednesday, will be distributed to the public, and members delaying their application beyond that time must take their chances of tickets being available.

**Third Day, Thursday, August 20—**  
**Morning Session, 9.30 A. M.**

Paper—Out-of-Door Roses, W. C. Barry. Discussion.

#### Election of Officers.

Polls will be open at 10.30 A. M., and remain open two hours.

Amendments to the Constitution and By-Laws.

The Question Box.

#### Afternoon Session, 2 P. M.

The National Flower Show.  
 Address E. G. Hill. Reports W. F. Kasting, J. C. Vaughan. General discussion.

**American Carnation Society, 4.30 P. M.**  
 Special meeting.

#### Evening.

The evening session will be omitted in order to allow the members an opportunity for an evening view of the Falls and other scenery.

**Fourth Day, Friday, August 21—**  
**Morning Session, 9.30 A. M.**

Address—School Gardens, L. C. Corbett. Discussion.

Paper—State Florists' Associations, Their Value and the Relation They Should Bear to the S. A. F. & O. H., Albert T. Hey. Discussion.

Paper—Planting for Winter Effect in the Northern States, George E. McClure. Discussion.

#### Afternoon and Evening.

In the hands of the Buffalo Florists' Club. The bowling contests will be held at Buffalo at this time.

### PREPARING FOR THE NIAGARA TRIP.

The various state vice-presidents and club committees in the large centres are busily at work arranging for the trip to Niagara Falls and all those who can conveniently do so should arrange to travel in company and thus gain the social advantages and other pleasant surroundings and comforts provided for these special trips.

Active preparations are on in New York to get together a very large party to accompany President Traendly over the D. L. & W. R. R. A committee of the New York Florists' Club with Patrick O'Mara as chairman and John Young as secretary in association with state vice-president J. Austin Shaw are looking after the arrangements. All correspondence should be addressed to Mr. Young.

Fred. E. Palmer, of Brookline, Mass., is state vice-president for Eastern Massachusetts and can answer all questions relative to the trip from Boston. E. G. Gillett, 114 E. Third street, Cincinnati, O., will furnish information concerning the trip from Cincinnati and E. C. Reineman, 16 Lowry street, Allegheny, Pa., will perform a like service for those who desire to accompany the Pittsburg party.

As previously announced in these columns F. F. Bentley, 35 Wabash avenue, is chairman of the transportation committee of the Chicago Florists' Club and the Wabash R. R. has been selected as the official route. There are several concessions in the way of stop-overs, boat connections, etc., concerning which Mr. Bentley should be consulted. The St. Louis party will travel by the Big Four Knickerbocker special leaving at 1 P. M., August 17, under the efficient management of John Steidle, Central, Mo., from whom all information may be obtained. It is understood that the Lackawanna Railroad is the favorite for the trip from Washington, leaving on the morning



of Monday, August 17. George H. Cooke is vice-president for District of Columbia and F. H. Kramer is president of the local club.

#### "BUFFALO DAY."

The S. A. F. and Canadian florists will be entertained by the Buffalo Florists' Club on Friday, August 21. In the morning bowling and shooting will be in order and those who do not wish to take part will be entertained by a ride around Grand Island where a ball game will be played between "All America" and a Buffalo team. The committee in charge are working hard to make this one of the most pleasant trips that their brother florists have had in some time.

#### TRADE EXHIBITION SPACE.

Since my last report on the trade exhibition, the following have sent in contracts for the amount of space set opposite.

	sq. ft.		sq. ft.
Garford Motor		J. A. Petersen...	75
Car Co.....	150	Wilson & Boyt...	48
J. H. McFarland...	32	Lennel Ball....	75
Robert Craig.....	250	Julius Roehrs...	250
Lord & Burnham...	252	The Advance Co.	48
Daniel B. Long... 42		I. L. Pillsbury...	19
Florists' Review...	100	The Larkin Co...	27
Lager & Hurrell...	100	C. S. Yeagle....	350
A. L. Randal Co.. 60		Benj. Hammond...	100

This with the space already reported makes a total of 7463 sq. ft. sold to date.

A goodly amount of space is still available but especially those who wish large blocks should hurry or they may get left on good locations.

Arrangements have been made with a responsible carting company at the Falls who will take care of all freight sent to the trade exhibition, so that there will be no unnecessary running to and fro and worrying about exhibits being mislaid and not delivered on time.

All those who desire to stop at the Cataract House where the exhibition will be held, or the International, next door, should correspond with Mr. H. Q. Isaacs, International Hotel, Niagara Falls, N. Y., who will act as hotel committee and gladly answer all questions that may be asked in regard to hotel accommodations.

Yours very truly,

CHAS. H. KEITSCH, Supt.  
510 Main St., Buffalo.

#### NATIONAL FLOWER SHOW.

W. N. Rudd has been prevailed upon to accept the position of manager of the National Flower Show. The selection of a manager was left by the S. A. F. executive committee to the committee on local management of which J. C. Vaughan is chairman, with the recommendation that the services of Mr. Rudd be obtained if possible. Mr. Vaughan has called a meeting of his committee for Saturday afternoon, July 25, when with Manager Rudd the committee will take up details of show arrangements.

Chairman W. F. Kasting, of the committee of fifty, will call a meeting of the committee at Niagara Falls during the convention of the Society of American Florists. The meeting will probably be held on Thursday after the discussion of the National Flower Show which is provided for in the convention program.

J. H. BURDETT, Sec'y.

## During Recess

### ST. LOUIS FLORIST CLUB'S ANNUAL PICNIC.

The fifteenth annual picnic of this club took place on July 15 at beautiful Normandy Grove, a most ideal spot for the occasion. This is one of the days on which for the past fifteen years the florists come out for a day's sport and recreation and they surely had it this year. The weather was just right and the three hundred present had a good time.

The most exciting events of the day were the baseball game between the wholesale and retail teams and the bowling contests. During the ball game great excitement prevailed. The large crowd was with the retailers all through and the umpires, Henry Osertag and Fred Ammann, had a hard time. Only five innings were played and the wholesalers won by a score of 9 to 8.

Others events were as follows:

100 yd. dash, men: Aug. Hartman, winner; W. C. Smith, donor of prize.

100 yd. dash, boys: Eddie O'Rourke; winner; H. Berning, donor.

Egg and spoon race, married ladies: Mrs. H. Riessen, winner; St. Louis Seed Co., donor.

Hop, step and jump: Fred Alves, winner; C. A. Kuehn, donor.

50 yd. dash, young ladies: Martha Winter, winner; H. Berning, donor.

50 yd. dash, boys: C. Bentzen, winner; C. A. Kuehn, donor.

220 yd. run, young men: Aug. Hartman, winner; H. C. Young, donor.

Potato race: Ed. Fitzgerald and Miss Winter, winners; W. C. Smith and Geo. Augemuller, donors.

Ladies' bowling: 1st, Mrs. Theo. Miller, winner; A. Siegel, donor. 2d, Mrs. C. Beyer, winner; Mrs. C. Schoenle, donor. 3d, Mrs. E. W. Guy, winner; Pachmann, donor.

In the gentlemen's bowling Charles Kuehn came in first with 195, Theo. Miller second with 185 and Carl Beyer third with 180. The booby prize was won by Frank Vennemann, his score being 26.

The rest of the evening was much enjoyed in dancing and listening to the good music. At this point Chairman Schoenle announced that the second event on the program had not taken place and a handsome paragon would be given to the best lady waltzer and fifty couples started in for the prize. The winner was Miss Minnie Beyers, her partner being Edward Gerlach. The younger element stayed until nearly midnight.

#### BUFFALO FLORISTS' CLUB.

The annual outing of the Buffalo Florists' Club will take place at Bedell House (Grand Island), on Wednesday, July 29th. Boat will leave dock at 2.30 p. m. The committee in charge is making every effort to have this year's outing go on record as being one of the best attended and best managed affairs ever held. As usual, an exciting ball game will be on the list, the East Side vs. West Side teams, and such other sports as fat men's race, tug-of-war, motor cycle races and many other

interesting events, which will be followed by dinner and dancing in the evening. Every member, together with their families and sweethearts are assured one grand time which they cannot afford to miss. Remember the date, July 29th. E. C. BRUCKER.

#### CHICAGO FLORISTS' CLUB PICNIC.

The Chicago Florists' Club had an ideal day for its picnic at Manilla Park, Morton Grove, July 19. The attendance was not so large as formerly. A neat program of the games, etc., was presented at the entrance and most of the performances came off as scheduled. The prizes were beautiful and many of them costly. A pleasant feature was the trip through the extensive greenhouses of Poehlmann Bros. This place is a model of neatness and well up-to-date. Mrs. Aug. Poehlmann hospitably opened her beautiful home to the ladies.

The annual picnic of the Indianapolis Florist Club was held July 23.

Niessen 23, Burton 5, was the baseball score for the return game July 19th at Wyndmoor, Pa. The Niessens were the hosts on this occasion, and turned the tables on their opponents by superior alignment and strategy.

A clam bake of unprecedented magnificence is under consideration by the New York flower and plant growers, to take place at a popular Sound resort in the near future. A. L. Miller is perfecting the plans.

At last New York is beginning to emerge from the obscurity of a third-rate bowling community and a line of alley artists is being brought forward to the firing line that will take the starch out of all past winners. If they can make the same showing at Niagara that they are doing at Thum's Alleys there will be no lack of excitement. Last week averages were made in four practice games as follows: Chadwick, 190; Donaldson, 183; Irwin, 157.

The outing of the Greek florists at Witzel's Point Grove, New York, on July 16, was an unqualified success in every sense. Five hundred tickets were sold for the occasion and there were nearly four hundred people in attendance. The proceedings included two dinners, Greek and American and various other kinds of dancing, games and speeches in English by Geo. D. Nicholas and others. There were no prizes but the athletic sports were just as good as though there had been, especially throwing the discus, running and jumping. A baseball game between the Greeks and Americans was won by the latter.

Corfu, N. Y., July 20, 1908.

HORTICULTURE Publishing Co.,  
Boston.

Dear Sir:—Your paper brought even more answers this year and I hope you will draw a still larger trade for me next year. I even received an answer from Havana, Cuba.

Yours truly,

W. EHMANN.

# NEWS OF THE CLUBS AND SOCIETIES.

## CANADIAN HORTICULTURAL ASSOCIATION.

The eleventh annual convention of this association will be held at Niagara Falls, Ont., on August 19, 20 and 21, 1908, in the Clifton Hotel.

The program is arranged as follows:

### Wednesday, August 19th.

#### OPENING SESSION 2:30 P. M.

The Society of American Florists and Ornamental Horticulturists will pay the convention a fraternal visit during this session.

Addresses of Welcome by the Mayor of Niagara Falls, Ont., and Superintendent of Queen Victoria Park.

Response by the President and welcome to the S. A. F., John Walsh, Montreal.

Response by the President of the S. A. F., F. H. Treadwell, New York.

Reports of Secretary, Treasurer, Standing Committees and special committees.

Discussion of President's Address.

Question Box.

#### SECOND SESSION, 7 P. M.

The Canadian Horticultural Association will pay a fraternal visit to the Convention of the Society of American Florists at the Cataract House, Niagara Falls, N. Y.

Illustrated Lecture by J. Horace McFarland, "How Florists May Aid in the Crusade Against Ugliness."

### Thursday, August 20th, 10 A. M.

"Forcing Tomatoes," Professor W. S. Blair, Macdonald College, Ste. Anne de Bellevue, Que.

"General Care of Private Greenhouses," William Wiltshire, Montreal, Que.

"Nomenclature," John Cayers, Oakville, Ont.

Choice of place for next meeting.

Question Box.

Thursday afternoon the delegates will be shown the beauties of Queen Victoria Park by Mr. Alex. Colburn, Head Gardener.

### Thursday, August 20th, 7 P. M.

Discussion between Retailer and Grower, led by G. Gerraghty, Toronto, Ont., replied to by W. J. Lawrence, Eglinton, Ont.

"Grapes Under Glass," Thos. Pewtress, Pointe Claire, Que.

Unfinished Business.

Election of Officers.

Final Committee Reports.

### Friday, August 21st.

The Buffalo Florists' Club have generously invited all C. H. A. delegates to participate in the entertainment given to the S. A. F., including trip to Buffalo, games, etc.

## FLORISTS' CLUB OF WASHINGTON.

The last meeting of the Florists' Club, held at F. H. Kramer's, was the largest meeting of this organization on record. The reason of it all was that President Kramer got out and hustled the best he knew how, and when the officials of a society or club do this there is invariably one result—success. This takes one's time and attention from business, family, etc., but when a man accepts office he assumes all this and it is "up to him" to carry it out. In Mr. Kramer's case it wasn't the refreshments or the Japanese lanterns alone that influenced the Washington florists to come out and make a good meeting, but the contagious enthusiasm of a president who rolls up his shirt sleeves and turns himself loose, determined to win.

## SUMMER EXHIBITION AT LAKE FOREST, ILL.

About thirty miles north of Chicago close to the shore of Lake Michigan lies Lake Forest, noted for its beautiful summer homes as well as its permanent ones.

Two years ago the Horticultural Society of Lake Forest was organized



EMIL BOLLINGER

by Emil Bollinger, who was elected president, and still holds that office. H. C. Peterson is vice-president, Geo. Koppenhoffer, treasurer, and J. W. Scharfenberg, secretary. This progressive society is composed of one



THE BOLLINGER TROPHY

hundred and fifty members, owners of estates and gardeners, who work together to make it a success.

The second annual exhibition was held at Baurand Art Institute, Lake Forest, July 15th, and was a credit to the society.

Among the most notable exhibits were the following: Collection of large evergreens from Pres. Bollinger; hot-house grapes from R. T. Crane;

foliage and decorative plants, fruiting trees in pots, etc., from Mrs. A. B. Dick; hardy perennials and annuals from Jas. Viles, Mr. Wooley of Glencoe, Mrs. H. R. McCauley, Mrs. Jas. Hayworth, Vaughan's Seed Store and others; vegetables from Cyrus H. McCormick, Chas. Hutchinson of Lake Geneva, Wis., F. L. Swift, Mrs. Isham of Lake Geneva, C. H. Fitzhugh and Ernest Hamill; sweet peas from John Pisie, Jr., and flowers from the school children. Lager & Hurrell of Summit, N. J., orchids, and A. T. Boddington, New York, seeds and bulbs, were represented by creditable displays of their specialties. The society's prizes were in the form of medals and there were special premiums from President Bollinger, R. Douglas' Sons' Nurseries, of Waukegan, and others, the president's trophy being a beautiful silver cup for the best basket of outdoor flowers.

The flower judges were William C. Egan of Highland Park, E. A. Kanst and W. N. Rudd of Chicago; and on vegetables, Robert J. Sampson and Axel Johnson of Lake Geneva and C. J. Reardon of Hinsdale.

The Horticultural Society of Lake Forest meets regularly on the last Wednesday of each month. It usually has a speaker from outside its own territory, and the meetings are interesting and well attended.

President Bollinger, whose portrait we present herewith, is a native of Switzerland and is superintendent of the Byron L. Smith estate. He has served four years on the Board of Education and has just been elected for two years more. The organization of the society is said to have been the fruition of fourteen years' endeavor on the part of Mr. Bollinger.

## MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual sweet pea exhibition held at Horticultural Hall, Boston, on July 18 and 19, fell short of the standard owing to the long continued hot and rainless period of weather which preceded it. The peas were really better than there was any reason to expect under such trying conditions. Edwin Jenkins, of Lenox, was the largest winner of first prizes, Thomas Howden, of Whitinsville, coming next. Other winners of prizes in the sweet pea classes were Joseph Thorpe, W. A. Riggs and Col. Fred'k Mason. Among the most interesting flowers and plants shown were the following: An exhibit of new lilies from North China and a variety of herbaceous plants from R. & J. Farquhar & Co.; hardy herbaceous flowers from Blue Hill nurseries; Harvard Botanic Garden, a superb collection of gloxinias beautifully arranged; phloxes and herbaceous flowers from several contributors. Fruit and vegetables also showed the stress of the unfavorable season. Col. Frederick Mason's group of vegetables arranged for effect was excellent. Gooseberries were more of a feature than customary, J. S. Chase, W. G. Kendall, Wilfrid Wheeler, State Hospital at Taunton and W. A. Riggs all being creditably represented. W. Heustis & Son showed cabbages of enormous

size and the onions from W. J. Clemson, J. O. Christenson, gardener, were the best ever shown here. The Boston Mycological Club had an interesting display of fungi.

#### DETROIT FLORISTS' CLUB.

The regular meeting last week was held out of doors at the secretary's residence. The meeting was well attended and many questions of local interest were discussed. The day for the annual summer outing was decided upon and consequently all the members with wives and sweethearts will embark for Bois Blanc on July 27. After a lengthy discussion Mr. J. F. Sullivan was induced to consent to be a candidate for secretary of the S. A. F.

FRANK DANZER.

#### NEW ORLEANS HORTICULTURAL SOCIETY.

The annual meeting of this society was held on July 16. Richard Steckler was elected president, C. R. Panter secretary, John Elden, treasurer. A vote of thanks was tendered the retiring president, Charles Eble. Following the meeting the 23rd anniversary dinner took place.

#### CLUB AND SOCIETY NOTES.

The Newport Horticultural Society at their last meeting voted to hold their September show on September 12, 13 and 14.

The Florists' Club of Washington will hold a four days' chrysanthemum show, beginning November 9. The committee in charge consists of George Cooke, W. F. Gude, George Shaffer, Charles McCauley and Z. D. Blackstone.

The thirty-second annual meeting and exhibition of the Georgia State Horticultural Society will be held at Cornelia, Ga., on August 12 and 13.

The Lenox (Mass.) Horticultural Society will hold two flower shows this year, one on August 15 and the other early in November.

#### MOVEMENTS OF GARDENERS.

William Creighton, formerly at Sykesville, Md., is now at Rowayton, Conn., with J. Sherman Hoyt.

F. C. Searles, formerly with E. G. Asmus at Closter, N. J., is now with the Pittsburg Rose and Carnation Co.

The preachers will now have a chance to catch up with the times. The Massachusetts Agricultural College will devote two weeks of work to their especial needs during August, 1908. They will be taught by expert instructors who will be able to show them what modern agriculture means in this world of industry; what the social organization of country life really is today, and what the rural and working classes are actually thinking about. The progressive preacher who attends this school will not only get a new point of view but will get it put up in a vacation capsule as he enjoys the pleasant outdoor life on the college farm at Amherst.

#### PERFECTION IN PETUNIAS.



About July 15th of each year the Dreers commence their hybridizing of the petunia for seed purposes. The methods and system employed were explained to the writer recently by Frank C. Berz, who has charge. Great care is taken to keep the various colors pure, and the rows of each shade are carefully rogued. Last year there was a partial failure of the dark shades and some plants had to be used unavoidably for hybridizing that showed a slight tinge of some other marking, in order to even partially supply the demand for this seed. This year the plants are thriving better. Every plant is carefully manipulated by hand, the pollen of one double flower being used on the stigma of the single flower previously emasculated, after which the stalk is tagged and the resultant seeds carefully gathered. Tedious and expensive, but it is the only way to approach perfection in this plant. Some five thousand plants were hybridized last year and for the present season more than that will be utilized if possible. As is well known, seed saved from the most carefully hybridized flowers produces but a small percentage of doubles, but the singles of the strain are of fine form and substance. The weaker seedlings are the ones to be nursed most carefully, as they produce the finest double flowers. The white section comes the truest from seed. The double flowers are almost invariably beautifully frilled and curled, most of them measuring 3.1-2 and 4 inches across. Representatives of the firm visit the principal flower shows here and abroad, and wherever a good strain occurs it is secured and tested at River-ton. By this means the strain is having constantly added the best blood obtainable. The plain-edged sorts have been discarded of late years as the frilled and fringed varieties are

so much more beautiful. The double section has risen to the dignity of named varieties—sold as plants only—among the best of these being: Modesty, delicate mauve, veined reddish crimson; Caprice, pink white, mottled with reddish violet; Snowball, a finely fringed white; and Fairy, soft solferino, occasionally marked white. For hanging baskets, window boxes, etc. singles and doubles are both excellent the variety known as Howard's Star being one of the best in the latter connection.

G. C. WATSON.

#### MESSRS. LEMOINE'S DEUTZIAS.

(G. T. Grizman in Revue Horticole.)

Victor Lemoine & Sons have sent out this season among their novelties a series of remarkable varieties of deutzias. The genus *Deutzia* has had its best improvement through the patient and continued hybridizations of Mr. Lemoine, and a history of these crossings which have enriched our gardens so much may prove interesting.

In 1891 Messrs. Lemoine crossed *Deutzia parviflora* with the *D. gracilis* and obtained *D. Lemoinei*, which they improved again in the varieties *Compacta*, *Boule de Neige* and *Avalanche*, all remarkable for the profusion of their flowers.

After the appearance of *D. discolor purpurea*, introduced by the "Muséum," and distinguished by the rose tint of its buds and the exterior of its flowers, Mr. Lemoine crossed it with other species and gained also a series of very interesting hybrids inheriting in a pronounced degree the rose color of *D. discolor purpurea* and at the same time superior in robustness to the *D. gracilis* crossings. The *D. gracilis* hybrids under the names of *Venusta*, *Multiflora* and *Rosa* and the *D. discolor* hybrids *Floribunda* and

*Grandiflora*, proved to be absolutely hardy shrubs.

*D. discolor purpurescens* was also used to enrich the circle of their first hybrids, the *D. Lemoinei*. This series produced admirable varieties such as *Boule Rose* and *Fleur de Pommier*, the twigs of which are covered from base to top with racemes of from twenty to thirty flowers, bright rose in color, or rose tinted, and the under sides still more colored.

*D. discolor purpurescens* was also crossed with *D. parviflora*. From the plants out of this crossing they kept only one, *D. Kalmiaeflora*, which produces in the middle of May grand flower-heads each of ten flowers, two-thirds of an inch in diameter, bright pink in color and tinted darker on the edges.

Messrs. Lemoine also used in the hybridizations *D. corymbiflora*, a species sometimes known as *D. corymbosa*. The crossing of this with *D. parviflora* produced *D. myriantha*. This plant is very robust and flowers abundantly about the tenth of June. Its flowers are white and as large as those of *D. Lemoinei*.

*D. scabra* and *D. Sieboldiana* were also crossed. Out of *D. scabra* and *D. discolor grandiflora* (hybrid), they obtained curious plants, quite new and large, which merit detailed description. *D. discolor stellata* is a very elegant shrub, not over three feet high, forming a graceful head and covered with small serrate foliage; it blooms at the end of May. The flowers are medium large, bright rose and red rose.

*D. discolor carnea* is a thick clump, not very tall; the foliage medium and deep green; long twigs covered with twenty to twenty-five well-opened flowers about half an inch wide with regular petals, red and pink underneath. The flowering season often lasts for months, thanks to the appearance of new buds after the first crop has faded. *D. discolor lactea* has bright foliage and large flower heads of milky white.

The crossing of *D. gracilis* with *D. Sieboldiana* furnished a series of extremely interesting plants, on account of their flowering qualities, elegant forms and hardiness, namely:

*D. gracilis fastuosa* with very bright foliage and twenty to twenty-five milk white flowers in a head.

*D. gracilis candelabrum* has long twigs inclining towards the ground. The twigs are dark and foliage green and dark on the edges. The flowers are large, having often six to eight petals, color creamy white, passing into milky white.

*Note of the Translator*—Of this last variety the Revue Horticole shows an elegant photograph which will convince anyone who sees it of its superiority to our common groups which we still use in such large quantities and which has the objectionable feature of being too stiff or "clumpy" for most situations; the *D. gracilis candelabrum* bends gracefully like a weigela or hydrangea in full. These beautiful shrubs are far superior to *D. gracilis*, not only because of their vigor and easy culture, but also on account of their great profusion of flowers and graceful contour. It is altogether a new race and one that does not disappoint promise.

C. BLOCKEN

News from Ghent indicates that azaleas will be rather plentiful, and there will be plenty of large sizes available this year.

## FLOWER PICTURES AT THE PARIS SALON.

During our recent stay in Paris we passed a morning at the Salon paying special regard to those works of art that portrayed fruit and flowers. We afterwards found in the Flower Show of the National Horticultural Society of France an art gallery containing a much larger collection of flower pictures than were exhibited in the Salon and in most cases works of a character to please a horticulturist to a greater extent than those at the Salon.

In point of number the flower pictures at the Salon were only about a fourth of those shown at the Paris Spring Flower Show; but while the latter was only open for a week the Salon, of course, is accessible to the public for a much longer period. As it is now the season of the year when American visitors come over to Europe in large numbers, we have thought it of service just to give a few brief indications of those pictures that might possibly interest such as are of a horticultural turn of mind.

Going up the grand staircase and beginning with the first room on the right and working our way right round the first floor to the starting point, we came across the following in the order given: 973, *Cytise et iris*, a very effective picture depicting purple iris and cytusus nicely arranged in a Chinese pot. 973, *Pavots, doubles*, a pretty representation of white, pink and other poppies. 1085, *Bouquet de roses*, a picture of large dimensions showing pink and white roses in a blue earthen vase standing on a stone shelf. 916, *Pavots, rich crimson and other poppies*. 934, *Roses, in a vase*. 1166, *Fleurs de Nice*, rather a taking picture depicting carnations, lilac, roses, violets and mimosa. 951, *Fleurs*, an imposing painting of yellow and bronze Japanese chrysanthemums in a big stone ware vase on a step and a blue bowl of yellow roses. 1021, *Fleurs*, a vase study. 1510, *Au parc de St. Cloud*, a flower garden scene, in which white roses and other flowers are conspicuous in the foreground. 426, *Fleurs, chrysanthemums in a jug*, chiefly Japanese, with a few small flowered varieties. 1041, *Pivoines*, a large and effective picture, a huge vase containing peonies, others lying on the ground. 1138, *Un coin d'Atelier*, a corner showing an artist's palette with flowers in a vase close at hand. 119, *Bouquet de Pavots*, a rich painting of poppies in a dull green vase. 2789, *Jonquilles*, a water color, with the flowers arranged in a green art vase, some in a tub, a neat little bit of work. 2009, *Effet d'automne a Villeneuve l'Etang*, also a water color, a charming little water scene. 2265, *Roses et hortensias bleus*, a delightful piece of work showing the flowers arranged in a blue vase on a carpet. 2654, *Pavots*, another water color, a lovely delineation of blooms of *Papaver somniferum*. 2264, *Roses d'Isphahan*. 947, *Panier de roses*. 1042, *Fleurs et fruits de la*

*Cote d'Azur*, lemons and oranges and a blue earthenware vase full of the various flowers of the district. 1216, *Le Jardin rustique*, an odd corner in a country garden, some fine heads of hydrangeas in flower. 1320, *Le vieux banc*, an old stone seat by the water side. In the foreground are flowers, chrysanthemums in the distance.

We pass over several others as being less interesting and next notice 1349, *Coin de serre*, pots of white and pink azaleas, and a few yellow roses lying about. 1219, *Lamare aux grenouilles*, a pretty water bit with green rushes in foreground, yellow water lilies, background of deep foliage. 1537, *Marchande de fleurs*, a large painting representing an old woman under a large umbrella selling chrysanthemums in baskets. 2060, *Roses et violettes*, a water color. 2693, *Roses et camomiles*, also a water color. 2717, *Fleurs et fruits*, a basket of grapes and peaches and a green earthen jug full of roses. 2054, *Chrysanthemums*, water color, Japanese blooms somewhat wanting in color. 2146, *Roses et violettes*, an attractive little water color. 3292, *Hortensias*, a pastel showing blue and pink hydrangeas. 1599, *Fleurs d'hiver*, chrysanthemums in a jug. 1276, *La petite poete*, standard red and yellow roses, with iris below. 1576, *La haie fleurie*, Japanese varieties in a garden pot. 1370, *Les fleurs, hydrangeas*. 1318, *Etang fleuri*, a pretty water scene of water lilies, rushes and reeds. 161, *Le vieux puits*, a large composition showing an old well around which are pale pink hollyhocks. 2788, *Tulips*, a water color. 2655, *Pivoines*, a water color showing white, pink and red peonies and a few other flowers. 158, *Bouquets de roses et gerbe de lilas blanc*, a handsome picture of roses and lilac in a brass vase. 385, *Les roses blanches*. 634, *Roses Miss Milly Cream*. 1822, *Les pivoines*. 2575, *Roses*, a water color. But our space is exhausted and we can only say further that following along the line indicated we note 2724, 2516, 2517, 2548, 2260, 2085, 2667, 347, 41, 173, 1815, 678, 74, 876 and several others that will all more or less interest the horticultural visitors to the Paris Salon.

C. HARMAN PAYNE.

## CATALOGUES RECEIVED.

Handy Hand-Book of Greenhouse Material, just issued by the Lord & Burnham Company, is a very complete illustrated catalogue of every device and fitting, large or small, which go to make up the modern greenhouse, piping, heating and ventilating included, as well as benches, gratings, sash, and all the tools needed for repairs at short notice. The materials are all classified, grouped and indexed for ready reference. It is a handy hand-book, in fact. Any reader of HORTICULTURE can have a copy by writing to Lord & Burnham Company. Accompanying it is a hook enclosed in a small envelope, on which to hang the book.

M. Herb, Naples, Italy.—General Catalogue of Bulbs and of Seeds for Autumn Sowing. This is really a remarkable catalogue, the contents being in three languages, English German and French.

## SOME PEONY OBSERVATIONS.

The season has been a very good one with most growers. The demand is more and more for the very finest sorts. The ordinary stuff will be a very heavy glut in a few seasons. There are far too many sorts that possess little merit; this refers just as much to some "novelties" as the old timers. Again there are many old timers that possess such exceptional merit that I cannot understand why the older growers have overlooked them.

Some growers have not had a good crop for three seasons. Quite a few causes contribute to this end. The peony in a great degree is a bi-annually perennial, that is, it will store up capability to produce a full crop, the next season it is disappointing. In old clumps this does not seem so much the case as with smaller ones, some sorts more than others, others apparently not at all. Many sorts can be cut almost devoid of foliage and the next season they are very fine; others under such treatment almost perish.

Many of our sorts were planted in 1902, 1903 and 1904; some had grand blooms the following spring; in some cases we have not had typical ones until this season but this season they have repaid us for our patient wait with 18 to 36 giant blooms with 7 to 9 inch diameters, surprising magnificence, very well worth all the time and patience waiting. This leads me to believe that many sorts have been passed as of no merit because although established not developed.

Quite a few sorts are variable in their colorings and marking annually, thus adding some to the confusion in nomenclature and descriptions. Far too many sorts have no particular merit, especially from the cut flower or landscape viewpoint; many are poor color, lack freedom, etc. Some seemingly will come blind through quite a number of causes. I feel that many failures are brought about by one not understanding some details of culture. I have noticed plants of Whitleyii to come into full bloom annually whilst other plants apparently just as large or larger, in the very best of soil, are a failure. On my own grounds I have noticed the same thing but by asking many customers how they cared for their plants then reviewing my own culture, etc., I found out that in nearly every instance of failure, we all had committed the same crime. Coupled with this several critical growers have had a failure for the past three seasons, all laid at the door of the Frost King. I cannot believe that frost has had much to do with it as in each of the past three seasons we have had very fine bloom on most of our sorts. One season we had a severe two-day freeze with drying winds; the stems were 18 inches or more high and very soft, while many stems were split open from the effects of the 10 degrees of frost. When June came we had a very fine crop of bloom. Some other growers with much less cold had a complete failure. From all these causes and the various experiments and observations I am fully convinced that wrong methods of culture is the cause of the failures generally attributed to "late frosts." Some sorts seemingly stand any sort of ill treat-

## A CAULIFLOWER SEED PLANTATION.

Island of Anager, Near Copenhagen.



ment; others are exceedingly sensitive to the least wrong feature. The Lady Bramwell type seemingly is more sensitive to wrong treatment than others, but from my observations in hybridizing I think this type is the product of Whitleyii parentage so that point may more than ever endorse my observations as to wrong treatment, etc.

Quite a few of my customers were dissatisfied with some sorts that I advised them to buy but after asking certain questions and advising my methods of culture they invariably write "they are grand," etc. The past season nearly every one of our 1200 sorts gave us grand blooms on plants with 12 to 36 blooms, in good soil, good culture, but out of the list we have selected about 200 that we consider worthy of increase; the other sorts we shall discard all but two plants of each for testplot purposes. Out of about 300 newer sorts I will retain not over 15 as being A1 in every way. Some foreign growers do not send the same sort for a variety. We know of one case with at least eight importations with eight different ones received. Out of about 100 sorts, new and old, we have received Andre Lauris under ten different names, Charita as many, and older sorts under new names, but I may add that this is also the case in other items. This season we imported a lot of gladioli and got one sort under three names, Brechleyensis for Hollandia, etc.; dahlias and other items all just as badly mixed and wrongly named. This same condition also exists with a number of growers on this side. I paid \$10 for a pair of Milton Hill which proved Potesh Alba, \$5 per root for John Richardson which is Andre Lauris, etc. One trouble with many growers is that they are not up on nomenclature except on a very small list of sorts and have little matter of an authoritative nature on peonies.

As a few incidents: Sara Bernhardt (Dessert 1895); this is La France (Polman-Mooy about 1870). Mr. Des-

sert found this in Dessert & Mechin's collection. It is our very earliest Chinese sort. Last season we cut it with the first officinalis sorts; usually we cut it about the third day after the first opening officinalis blooms, but before we have the officinalis cleaned up La France is done. Reine des Francaise often brings this sort but this is a very different thing under its correct name.

I find that many growers striving for the limit of capability of development are overfeeding their peonies. A peony, while very vigorous, is also very sensitive and cannot stand overfeeding. "Rosette" is symptomatic of overfeeding; the "wilt" disease is the same thing in the "last stages." Remove the cause and it disappears. When this disease appears the best remedy is to remove as much of the over-rich soil and replace with very poor soil; also give each plant a good sprinkling of slacked lime or remove the plant entirely into poor soil. Remove any damaged root and lime the root, then plant into poor soil but keep the plants well watered for a week. Thus they may be dug up at any time without harm.

We plant our peony ground to potatoes or corn, previous to planting peonies, first preparing the ground and sowing to rye early in the fall. We then manure it very heavily in December with fresh manure; by plowing early and planting to corn it gets the plot in the very best of shape so that there is very little loss by plants dying or getting diseased and any plants that are bought that have any trace of disease get a good dusting of lime which helps to eliminate it. After the plants have been growing for two or three years we give a very good dressing of manure over the soil about December or during the growing season earlier. Where a large tract is planted for cutting it will be good to sow oats about August 15, then put the manure on during January; this will put the ground in excellent condition in the spring. C. BETSCHER.



**Arrived in Superb Condition**

# CATTLEYA DOWIANA VAR. AUREA

The most gorgeous of all Cattleyas. Also Cattleya Gigas from the Aurea District

**Miltonia Vexillaria and Tricopelia Giganteum**

## JULIUS ROEHRS COMPANY

Rutherford, N. Y.

### FOREIGN NOTES.

#### Exhibition in Turin.

An International Industrial Exhibition is announced to be held in Turin in 1911 on the occasion of the 50th anniversary of the proclamation of the Kingdom of Italy. In connection therewith will be held three horticultural shows. The first will be in May and will consist of decorative garden plants, greenhouse plants, cut flowers and floral decorations, market garden products, fruit, colonial grown plants, etc. The second show will be held in September. The classes will be chiefly for garden decoration, greenhouse plants and market garden culture. The third show towards the end of October will be for fruit, vegetables, flowering plants, plants suitable for home decoration, and cut blooms.

#### A Newspaper Flower Show.

Our London contemporary, "The Garden," is organizing a special flower show for its readers. It is somewhat an original idea for a horticultural journal but will no doubt be keenly taken up. The show will take place in the Royal Horticultural Society's Hall, Vincent Square, Westminster, on Wednesday, July 29th. The schedule comprises 38 classes divided into three main divisions, viz., 22 classes for flowers, eight classes for fruit, nine classes for vegetables. These are for amateurs only.

In addition there are classes open to everyone. Eighteen classes for flowers, four classes for fruit, six for vegetables, and six classes for ladies only—in all a total of 72 classes.

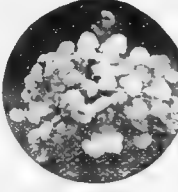
Prizes to the value of \$500 and medals are offered. Exhibitors must send in signed coupons cut from The Garden to show their bonafides.

#### French Horticulturists in London.

A party of French horticulturists, members of the National Horticultural Society of France, have been visiting the sights of London during the week beginning June 22 and ending the 29th. The party included M. A. Viger (president), M. Abel Chatenay (secretary), M. Maumene (editor La Vie a la Champagne), M. Nombrot, M. Mulnard of Lille, M. Cayeux of Paris. M.

Guillot of Lyons and about 100 others. The party visited the fortnightly show of the Royal Horticultural Society, June 23, and were entertained by the council of the R. H. S. to a reception and light lunch. Visits were made on the following days to the flower show at the Franco-British Exhibition, to Kew, Windsor and the leading parks and nurseries around London. The weather during the whole time was simply superb.

C. H. P.



**HYDRANGEA**  
Arborescens Grandiflora  
Alba

A taking novelty for  
**FORCING**  
Strong field-grown 15 inch  
and up \$15 per 100, \$140  
per 1000. To 15 inch  
\$10 per 100, \$90 per 1000.

The Elm City Nurs. Co.  
NEW HAVEN, CONN.  
*New Forcing and Garden Hydrangea.*

### FERN SEEDLINGS

Eight of the best varieties in fine condition, now ready \$1.00 per 100; \$8.50 per 1000. If by mail add 10 cents for postage.

**Assorted Ferns for Jardinieres**, bushy plants. \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate

**Adiantum Cuneatum**, 2 1/4 in., \$3.00 per 100; \$25.00 per 1000.

**Asparagus Plumosus Nanus**, 1/4 in., \$3.00 per 100; \$25.00 per 1000.

**Frank N. Eskesen**  
Madison, N. J.

**NEP. WHITMANI**  
2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**  
3 1/2 in., \$25.00 per 100

**BOSTON FERNS**  
2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

**NEPHROLEPIS SCOTTII**

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**  
Rutland Road and E. 45th St.  
Tel. 2890 Bedford **BROOKLYN, N. Y.**

**Smilax**

Good strong plants, 2 1/4 in. pots, \$1.75 per 100  
\$15.00 per 1000. Cash with order

**A. V. D. SNYDER**, Ridgewood, N. J.

## ORCHIDS

Arrived in Grand Condition

**CATTLEYA AMETHYSTOGLOSSA** true  
**CATT. BOWRINGIANA**  
**LAELIA GRANDIS TENEBROSA**  
**ONCIDIUM SARCODES**

Write for Prices

To arrive shortly

**Laelia purpurata**, **Laelia Boothiana**  
(lobata), **Oncidium varicosum** Rogersii.

**JOSEPH A. MANDA**

191 Valley Road WEST ORANGE, N. J.

## ORCHIDS

Largest Importers, Exporters, Growers  
and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
**NEW YORK CITY**

## IMPORTED ORCHIDS

Arrived in Superb Condition

**Vanda coerulea**, **Cattleya Trianae**,  
**Cattleya gigas Sanderiana**, **Cattleya**  
**Schroederiae**, **Oncidium varicosum**.

**JULIUS ROEHRS CO.**, Rutherford, N. J.

## ORCHIDS

Arrived in fine condition, **C. Mossiae**, **C. Percivaliana**,  
**C. Trianae**, **C. labiata**, **C. gigas Sanderiana**, **C. Harrisoniae**,  
**C. Schroederiae**, **C. citrina** Den. **Formosum** giganteum,  
**D. Wardianum**, **D. Findleyianum**, **Oncidium**  
**Varicosum** Rogersii, **O. Tigrinum**, **O. Ornithorhynchum**,  
**Laelia anceps**. To arrive shortly, **Vanda Coerulea**,  
**Cattleya Gaskelliana**, **C. Mendellii**, **Phalaenopsis**  
**Amabilis**, **P. Schilleriana**.

**GARRILLO & BALDWIN**, Secaucus, N. J.

## ORCHIDS

arrived in superb condition

**Cattleya Trianae**, **C. labiata** **C. Mossiae**, **Oncidium**  
**Varicosum**, **Vanda Coerulea**, **Dendrobium**  
**Formosum** and **D. Dalhousianum**.

**LAGER & HURRELL**, Summit, N. J.

## ORCHIDS

Arrive in good condition **Cattleya Mossiae**,  
**C. Gaskelliana**, **C. Speciosissima**. In a few  
days. **C. gigas Sanderiana** and others.

**ORDONEZ BROS.**, Madison, N. J.

In ordering goods please add "I saw  
it in HORTICULTURE."

## FISHKILL.

Serenely reposing at the foot of the stately Fishkill mountains and smiling at its neighbor, Newburgh, a mile away on the other shore of the broad Hudson, snuggles the historic town of Fishkill—or Fishkill-on-the-Hudson, as some of its fashionable residents prefer to call it.

Apart from its scenic attractions, Fishkill offers two prime inducements to the horticultural traveller to tarry; one is our genial friend, Benjamin Hammond, secretary of the American Rose Society, whose factory for paints and insecticides stands almost next door to the railroad station; the other is the nurseries and greenhouses of Wood Bros., reached by a trolley car which, after several miles of upward meandering to and fro, deposits the visitor within a short walk of his destination. There are few rides more romantic than this. Quaint pastoral scenes alternate with modern luxuriousness and style, trumpet vines clamber over trellised porches, while hollyhocks, hemerocallis and such old-fashioned things flaunt gayly in ancient cottage gardens, as the trolley car speeds along through shaded thoroughfares, the conductor thereof contributing to the contrast between rural simplicity and modern society customs by possibly taking aboard a tub of butter for delivery at the wayside grocery. On the right rise the wooded mountain slopes; on the left, through the chestnuts, oaks and locusts, comes an occasional glimpse of the majestic river and the blue crags of the enchanted Catskills beyond, where Rip Van Winkle wandered. But here our romancing is cut short by the spectacle of a group of majestic elms, brown as though swept by fire, overwhelmed by that abominable scourge, the elm leaf beetle, in defiant disregard of the proximity of the Slug Shot man!

Wood Bros.' place is located on a fine upland plateau. Here are acres and acres of perfectly trained nursery stock and bedding material planted out, and forty greenhouses which by a skilful system of crop rotation are never idle, filled at the present time with thrifty young roses, chrysanthemums, and other seasonable stock. Wood Bros. have an enormous and fast increasing plant shipping trade, particularly strong throughout New England and New York state, and one does not have to look far to find the reason why, for painstaking industry is evident at every turn, and better cared for, weedless fields or cleaner greenhouse benches cannot be found anywhere.

Before leaving Fishkill the visitor will not fail to take a ride to the top of Mt. Beacon, 1400 feet above the river. The ascent is by an incline railway, the steepest of its length in the world. The view from the Casino at the top is one of surpassing beauty. Below lie the villages of Fishkill and Matteawan, and nearly fifteen miles away up the Hudson the outlines of the great Poughkeepsie Bridge are dimly seen. The crests of these hills were utilized for signal fires during the Revolutionary struggle, hence the name of Mt. Beacon. On the easterly spur stands a commemorative monument of stone erected by the Daughters of the American Revolution.

## Large Profit

is the reward of the grower who supplies the necessary elements of plant food to his plants, and the profit is assured if the application of commercial fertilizer contain from 9 to 12 per cent. of

## POTASH

It has been demonstrated beyond all question, that the plant food which particularly makes for hardy stock, wealth and richness of bloom and fruit is POTASH.

Send for our practical books on fertilizing, prepared by experts and invaluable to everyone interested in Horticulture. Sent free of cost upon application.

**GERMAN KALI WORKS, 93 Nassau St., New York**  
**Monadnock Bldg., Chicago Candler Bldg., Atlanta, Ga.**

ADDRESS OFFICE NEAREST YOU

## GREENHOUSES BUILDING OR CONTEMPLATED.

Clayton, Ill.—Chas. Shank, additions.

Rockford, Ill.—C. H. Woolsey, one house.

Waverly, Mass.—R. B. Horne, one house.

Kirkwood, Mo.—Robt. Greeb, two houses.

Marinette, Wis.—George Vatter, rebuilding.

Yeadon, Pa.—H. J. Leech, show conservatory.

Lebanon, Mo.—Henry Russe, range of houses.

Shawnee, Okla.—John G. Brenner, one house.

Elmhurst, Cal.—Hutchings & James, one house.

Fall River, Mass.—Chas. M. Allen, house 20x100.

Saratoga Springs, N. Y.—C. Dehn, house 50x150.

Burlington, Ia.—Harry Bock, three large houses.

Pleasantdale, Me.—J. W. Minott & Son, one house.

Sedamsville, O.—Charles Brunner, range of houses.

Peoria, Ill.—D. W. Augspurger & Sons, four houses.

Columbia, Ill.—F. W. Breunig, three carnation houses.

Martin's Ferry, W. Va.—Davidson Bros., house 23x70.

Des Moines, Ia.—J. S. Wilson, carnation house 35x235.

Chicago, Ill.—John Assa, two rose houses, each 27 x 250.

Syracuse, N. Y.—Bannister Bros., house 10x100, for ferns.

Ames, Ia.—F. J. Olson, addition of 5500 square feet of glass.

Ogden, Utah.—R. Van der Schuit, carnation house, 27x100.

La Crosse, Wis.—Thos. F. Kienahs, two houses, each 25x125.

Olean, N. Y.—D. R. Heron, house 22x150; propagating house 8x150.

Johnstown, Pa.—Herman Neissner, show conservatory of brick and plate glass.

Anacostia, D. C.—Gude Bros., four houses, each 40x250; palm house, 50x160.

Danbury, Conn.—J. C. Cornell, additions and boiler houses of reinforced concrete.

The greenhouses belonging to Thomas Mead, occupied by Sullivan & McGrath, on Adams street, Dorchester, Mass., were damaged to the extent of about \$500.00 by fire on the night of July 17.



## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
 FOR FUMIGATING AND DUSTING  
 Dusted on Plants it covers large surface.  
 One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. It costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
**50 Barclay St., New York**

## Seed Trade

The L. L. Olds Seed Co., of Clinton, Wis., contemplates removal to Madison, Wis., in September.

The Cumberland Seed Company has been incorporated to do business at Nashville, Tenn. W. B. Ewing is president of the company.

H. J. Hartmann, of cauliflower seed fame, of Copenhagen, Denmark, arrived in New York on July 20 and expects to stay in this country till end of August.

Chas. M. Jackman and Geo. W. Kerr have joined the Burpee forces. Both gentlemen are from the other side and are experienced in the seed business. Mr. Jackman hails from the well known house of George Jackman & Sons, Woking, Surrey, famous the world over in the clematis field. Mr. Kerr gained his early experience with Dobbie & Co., Rothesay, and was later manager of the nurseries for the Baker establishment in Wolverhampton. We congratulate Messrs. Burpee and have no doubt that the fame of the "Best Seeds That Grow" will be maintained and extended with these new affiliations.

### CATALOGUES RECEIVED.

Hermite Freres, Ollioules, France.—Wholesale Price List of French bulbs and immortelles.

Otto Mann, Leipzig, Germany.—Wholesale Catalogue of Vegetable and Flower Seeds, Herbaceous Plants, Bulbs, Dahlias, etc.

Goos & Koenemann, Neider-Walluf, Germany.—List of New Plants, Includes clematis, iris, dahlias, campanulas, trolius, phloxes, etc.

Henry F. Michell Co., Philadelphia, Pa.—Catalogue for July and August, 1908, of Seeds, Bulbs, Plants and Horticultural Supplies. Has an inviting cover illustration of "Michell's Abundance" strawberries.

James Carter & Co., High Holborn, London, are distributing a useful plan of the lay-out of the Franco-British Exhibition now in progress at Shepherd's Bush, London. This firm has fine plantings of their specialties in the gardens, lawns and horticultural department.

Southern California Acclimatizing Association, Santa Barbara, Cal.—Condensed Catalogue and Price List for 1908. This is a very complete and comprehensive carefully prepared descriptive list of California specialties, native and exotic, including palms, cycads, bamboos, shade trees, shrubs, tubers, decorative-foliaged plants, ferns, etc., in large variety.

## GIGANTIC PANSIES

Can only be produced from the Giant Strains. Our CHALLENGE PANSY seed contains only the Giant self colors, the Giant Striped and Variegated and the Giant Blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100 per Ounce.

### PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{2}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

We also offer pansy seed in separate colors.

Write for special price and catalogue.

## ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

## STOKES' STANDARD PANSY SEED

	Tr. Pkt.	Per Oz.	
Giant Mme. Perret, the Wine Pansy	.40	\$ .00	"Stokes Standard" Mixed. A
Giant Odier, Blotched	.50	3.00	Blend of all that's finest in the Pansy world. Trade Pkt., 50c; $\frac{1}{2}$ oz. \$3.25; Per oz. \$6.00
Bugnot's Superb	.40	4.00	
Giant Trimardeau	.25	1.00	"Kingly Collection" Mixed. A
Masterpiece	.40	.75	splendid mixture. Trade Pkt., 50c; $\frac{1}{2}$ oz. \$2.75; Per oz. \$5.00.
Cassier, Blotched	.40	2.50	
Pres. Carnot	.25	1.00	Named Redding Sorts. Trade Pkt., 20c; Per oz. 75c.
New Orchid Flowered	.50	5.00	
English Flowering, Mixed	.25	1.25	

Send for Complete Pansy List and Prices on French and Dutch Bulbs.

STOKES SEED STORE, 219 Market St., Philadelphia

## Hjalmar Hartmann & Co.

Copenhagen, Denmark.

**CAULIFLOWER SEED**

Special Growers of—

Our Mr. HARTMANN is now on his annual trip through the States and Canada, and invites correspondence under the address

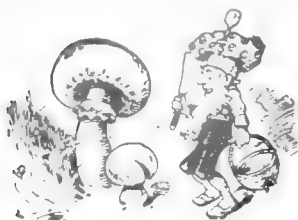
HJALMAR HARTMANN & CO., 31 Barclay St., New York.

## ANGLO-AMERICAN MUSHROOM SPAWN.

"Made Direct from Spores"

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

**ANGLO-AMERICAN SPAWN COMPANY**  
Kennett Square, Pa.



## CATALOGUES RECEIVED.

C. S. Harrison's Select Nursery Co., York, Neb.—Peonies, Phloxes, Irises, Columbines. A descriptive price list of some of the most desirable varieties.

The Continental Nurseries, Franklin, Mass.—Wholesale Price List of Ornamental Nursery Stock. M. J. Van Leeuwen is manager of this recently established nursery. Twenty-eight acres are already under cultivation.

H. F. Michell Co., Philadelphia, Pa.—Wholesale Catalogue of Bulbs for July and August, 1908. A fine cover illustration of the originator's stock of *Lilium longiflorum* Formosa variety catches and holds the attention of the bulb forcer and the contents maintain the interest in this distinctly commercial florists' handbook.

French bulb shipments are beginning to arrive and expected about every week from now on. Azores callas and freesias arrived on the 15th per S. S. Peninsular. They were delivered short (callas only) and but very few large sizes, owing to dry weather.

## PANSY SEED

## Michell's Giant Exhibition

A Giant Strain which we have secured from the leading Pansy specialists in Germany, England and France. This strain cannot be excelled.

Per Trade Pkt. \$0.50  
 " 1-8 Oz. .75  
 " Oz. 5.00

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

## Pansy Seed

In separate colors—and the finest mixture—embracing every conceivable shade and marking, and largest flowers. Mail card for descriptive price list.

FRANCIS BRILL, HEMPSTEAD, N. Y.

Burpee's Seeds  
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

## THOMPSON'S MANURE

Specially prepared for Sleepy Chrysanthemums, 25 lbs. \$3.75

WM. ELLIOTT & SONS,  
42 VESEY STREET, - NEW YORK.

JUST ARRIVED  
LARGE SHIPMENT OF  
High-Grade SCOTCH SOOT.

We have the Stott Double Nozzle  
THOMAS J. GREY CO.  
32 & 33 So. Market St., BOSTON

SWEET PEAS  
For THANKSGIVING and CHRISTMAS

	Oz.	1/2 lb.	1 lb.	Lb.
BODDINGTON'S CHRISTMAS WHITE.....	10c	40c	60c	\$1.00
" SNOWBIRD, the earliest forcing white ...	10c	40c	60c	1.00
FLORENCE DENZER, pure white	20c	75c	1.25	2.00
WATCHUNG, (pure white)	10c	40c	60c	1.00
MRS. ALEX. WALLACE, (Lavender)	20c	75c	1.25	2.00
	50c	1.50	2.50	

Also other varieties as advertised prices. All the above mailed free.

PANSY—BODDINGTON'S "CHALLENGE." This mixture contains all the finest giant strains of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched—all carefully mixed in proportion. Tr. pkt. 50c.; 1 oz. 75c.; 1/2 oz. \$1.50; 1 lb. \$2.75; 1/2 lb. \$5.

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, NEW YORK CITY



One of Our Kingly Prize Pansies.

JOHNSON'S KINGLY  
PRIZE WINNER PANSIES

Famous for their Giant Size, Heavy Texture and Wide Range of Magnificent Colors

A vastly improved strain of the famous Kingly Collection Pansies which was sold for years by the late firm of Johnson & Stokes. We offer seed this matchless strain as follows: Per 100 seeds 30c. 500 seeds 50c. 500 seeds \$1.00 per ounce \$5.00.

Write for Complete WHOLESALE PANSY LIST.

**JOHNSON SEED COMPANY, 217 Market Street Philadelphia, Pa.**

## ASTER GROWERS ATTENTION:—

Our Seed is All Sold. If you failed to get some it is your loss. However:— Get a Competition Card Now, Enter your name as an Aster Grower of America and win part of our \$250.00 offered in prizes. Entry free. All information gladly given. No cost to you except to prepay the express charges on flowers sent in competition.

**Altimo Culture Co., Canfield, Ohio.**

**Thorburn's  
Bulbs**

New Wholesale Price List for dealers ready in a day or two.

SEND FOR A COPY.

ASPARAGUS PLUMOSUS ROBUSTUS,  
\$2.00 per 1000 seeds.

Pansy, Carnation, Daisy and all other seeds for florists.

Cold Storage Lily of the Valley Pips

**J. M. THORBURN & CO.**  
33 Barclay St., through to 38 Park Place  
NEW YORK

## Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent upon request. Catalogues now ready.

## VICK'S SUPERB PANSY SEED

All the best varieties in separate colors  
VICK'S SUPERB MIXTURE

the best strain from all the leading named sorts

1-8 oz. 75c. 1-4 oz. \$1.50 Ounce \$5.00

**JAMES VICK'S SONS, Rochester, N. Y.**

## PANSIES

Fresh Seed Just Arrived  
We can supply all the leading strains. Our Florist List Mailed Free.

**H. E. FISKE SEED CO.**  
12 Faneuil Hall Sq., BOSTON, MASS.

ASPARAGUS  
PLUMOSUS NANUS

Extra Strong Seedlings, ready for 2 1-2 in. pots. Per 100, \$1.50; per 1000, \$12.00.

**O. V. ZANGEN, HOBOKEN, N. J.**

... Ask for my new wholesale list ...

## BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

SAN JOSE, - CALIFORNIA

## BRECK'S SEEDS

For Farmer, Market Gardener and Florist

New Crop High Grade

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

Winter-flowering  
SWEET PEA SEED

All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANEK**  
ORIGINATOR.  
BOUND BROOK, N. J.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Richard Eichling and Miss Yeusler of  
New Orleans were married on July 6.

Albert Riechart and Miss Mabel Vogel  
were married at Buffalo, N. Y., on  
July 14.

Wm. Gomersall, West Nyack, N. Y.,  
sailed for England on July 14, for a  
short visit.

C. B. Knickman, with McHutchison  
& Co., New York, has gone on a  
European trip.

C. H. Totty of Madison, N. J., sails  
for England on the Cunarder Car-  
mania on Saturday, July 25. He ex-  
pects to return in September.

### STEAMER DEPARTURES

#### Allan.

Virginian, Montreal-Liverl...July 31  
Finnian, Montreal-Liverl...Aug. 7

#### American.

Philadelphia, N. Y.-S'hampton...Aug. 1  
St. Paul, N. Y.-S'hampton...Aug. 8

#### Atlantic Transport.

Minneapolis, N. Y.-London...Aug. 1  
Minnetonka, N. Y.-London...Aug. 8

#### Cunard.

Saxonia, Boston-Liverpool...July 28  
Lucania, N. Y.-Liverpool...July 29  
Campania, N. Y.-Liverpool...Aug. 1

#### French Line.

La Touraine, N. Y.-Havre...July 30  
La Savoie, N. Y.-Havre...Aug. 6

#### Hamburg-American.

Pennsylvania, N. Y.-Hamb'g...Aug. 1  
Amerika, N. Y.-Hamb'g...Aug. 6

#### Holland-American.

Noordam, N. Y.-Rotterdam...July 28

#### Leyland.

Bohemian, Boston-Liverpool...Aug. 8

#### North German Lloyd.

K. Wm. der Grosse, N. Y.-Br'n...July 28  
Pr. Fred'k Wm., N. Y.-Br'n...July 30  
Kronpr. Cecilie, N. Y.-Br'n...Aug. 4  
Barbarossa, N. Y.-Bremen...Aug. 8

#### Red Star.

Kroonland, N. Y.-Antwerp...Aug. 1  
Vaderland, N. Y.-Antwerp...Aug. 8

#### White Star.

Oceanic, N. Y.-S'hampton...July 29  
Celtic, N. Y.-Liverpool...July 30  
Republic, Boston-Liverpool...Aug. 1  
Baltic, N. Y.-Liverpool...Aug. 6  
Teutonic, N. Y.-S'hampton...Aug. 5

A. Leuthy of Roslindale, Mass.,  
sailed on a business trip on S. S. La  
Provence for Havre, Wednesday, July  
22.

David Lumsden, who has been super-  
intendent of greenhouse and grounds  
at the New Hampshire State College,  
has been appointed assistant professor  
in horticulture.

Prof. B. S. Pickett, formerly assistant  
in horticulture with Prof. J. C. Blair,  
at Urbana, Ill., takes the place of Pro-  
fessor of Horticulture at Durham, N.  
H., as successor to Prof. H. F. Hall.

Prof. H. F. Hall has resigned his  
position as Professor in Horticulture  
at Durham, N. H., and, as a member  
of the firm of Rane & Hall at Waban,  
Mass., will devote his time to raising  
fruit and vegetables under glass.

### Chicago.

Established in 1857



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK  
"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**  
396 Boylston St., Boston, Mass.

**JACOB SCHULZ**, 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street. ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."



# H. BAYERSDORFER & CO.

*Known to the Trade for the past 30 years as the*

## Representative Florists' Supply House of America

**Always first in the market with anything that is new, novel and appropriate.**

### WE HAVE PREPARED FOR YOUR NEEDS

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

#### PERSONAL.

Visitor in Cincinnati: Ernst Oechslein, of Chicago.

Visitor in Pullman, Ill., Miss T. A. Moseley, of Kansas City, Mo.

C. A. Alles, manager for Wieter Bros., Chicago, is rustivating at Kenmore, Ill.

William Perkins, of Exeter, N. H., florist, is visiting his old home in Rugby, England.

C. A. Sigle, of Youngstown, O., sailed from New York on July 18 to visit relatives in Germany.

George Burrault, orchid collector for Julius Roehrs Company, has arrived in New York from Costa Rica.

Prof. Charles S. Sargent, of the Arnold Arboretum, expects to sail for Europe about the middle of August.

Visitors in Boston: W. C. Langbridge, representing Jerome B. Rice, Cambridge, N. Y.; Ed. Roehrs, Rutherford, N. Y.; Judge C. W. Hoitt, Nashua, N. H.

Charles Commeau, formerly on the Arthur Little place, is now at the Whiting estate, Galloupe's Point, Swampscott, Mass.

Visitors in Chicago: Harry Balsley, Detroit, Mich.; Harry Bock, Burlington, Ia.; W. G. Matthews, Dayton, O.; Chas. McCauley, secretary Florists' Club of Washington, D. C.; H. E. Philpot, Winnipeg.

#### BUSINESS CHANGES.

J. W. Eger, at 511 Union street, Schenectady, N. Y.

J. M. Holland has opened a new retail store at Oakland, Cal.

D. Freudenthal has closed his store at 11th street and Grand avenue, Kansas City, Mo.

Frank Huntsman has disposed of his interest in the firm of Huntsman & Co., Cincinnati, to his partner J. F. Pogue who will conduct it under his own name.

George H. Moores has leased his greenhouses at Wilmington, O., for a term of three years with the option of buying, to H. E. Mitting, who a number of years ago lived in Chicago, but is back this spring from Columbus, Miss., where he had charge of a large range of glass. Mr. Mitting is a brother of A. Mitting, the Calla specialist of Santa Cruz, Cal.

#### NEWS NOTES.

La Tribune Horticole, issue of July 4, contains a most beautiful colored plate of Iris Kaempferi var. Senjo No Hora.

The florists of Albany, N. Y., have signed an agreement to close their stores on Saturday afternoons during July and August.

On Sunday, July 12, fire caused about \$2500 damage to the stock of Frank Neisbert Co., manufacturers of artificial flowers, at 39 Barclay street, New York.

H. Bayersdorfer & Co., florists' supplies, located at 1129 Arch St., Philadelphia, have been losing goods through the theft of some of their employees.

The contract for building greenhouses and instruction rooms at the Massachusetts Agricultural College was not awarded, all of the bids submitted having exceeded the amount of the appropriation.

Charles Derynck, who since 1902 has rented the Smith greenhouses on St. Lawrence Boulevard, Montreal, purchased them in April and is gradually remodelling and rebuilding. This is the oldest florist's establishment in the city, having been started by David Smith sixty years ago.

Springfield, Mass., is in state of wonderment over the sudden descent of myriads of white moths on the electric light poles and wires of that city. The moths are regarded by local experts as "rare specimens which have not visited the vicinity since 1862." In our humble opinion the snowy visitor is nothing other than the notorious browntail moth. Around Boston we have learnt the meaning of these "July snow storms."

The range of greenhouses at Chicago originally known as the Garfield Park Rose Co.'s plant is to be torn down. The ground has now become too valuable for that purpose. These greenhouses were built in 1885 by C. C. Collins and passed into the hands of the Peck estate the following year. In 1887 they came under the control of C. Frauenfelder and remained so to the present time. Mr. Frauenfelder has a fine retail store on Madison St., and is now enlarging and making extensive improvements. Mr. Frauenfelder es-

tablished this business in 1884 and is the pioneer florist of the West Side. He will have a fine place when completed.

#### PLANT TRADE IN CHICAGO.

The usual summer quiet is on but there is a fairly good demand for Boston ferns, asparagus, rubbers, araucarias and aspidistras. There are practically no blooming plants in the market. Chrysanthemums are coming on finely. Growers are working up a good stock of pot chrysanthemum plants, also cyclamens, Primula sinensis and obconica, Lorraine begonias, poinsettias, etc., for the fall and winter trade.

#### INCORPORATED.

Aaron Miller & Sons, Milton, Ont., as Milton Nursery Company.

Van Holderbeke Nursery Company, Spokane, Wash. Capital \$50,000.

Trepel's Flower Stores, Brooklyn, N. Y.; capital, \$10,000; directors, Adam Trepel, Samuel Meshkin and Abraham Kommel.

Co-operative Flower Growers' Association, Mineola, N. Y.; capital, \$10,000; directors, Henry Weston, Hempstead; Charles Weber, Rockville Centre; W. G. Badgley, Chatham, N. J., and John Wilson, Short Hills, N. J.

## BOSTON'S BEST

**In Quality and Design**

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

**BOSTON**

and all

**NEW ENGLAND POINTS**

**THOS. F. CALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty

**AMERICAN BEAUTIES**

New Crop, \$10 to \$25 per 100

**ASTERS, Fine Assortment**

\$1.50 and \$2.00 per 100

**BRONZE GALAX**

\$7.50 per Case

**The Leo Niessen Company**

1209 Arch St., Philadelphia, Pa.

After June 27th Store closes 6 p. m.

**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.**Summer Beauties**

ALL GRADES.

**W. E. McKISSICK** WHOLESALE  
FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

☐ The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**Rice Brothers**

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

**E. A. BEAVEN**

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

**TOWER HOTEL**

Niagara Falls, N. Y.

is soliciting your patronage during the S. A. F. Convention.

Very truly yours,

M. J. HOENIG, Prop.

**ADVERTISE**

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

**ADVERTISE****CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers**PETER REINBERG**  
WHOLESALE**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

**AMERICAN BEAUTY** and all other  
ROSES

LILY OF THE VALLEY, CARNATIONS

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100**  
TO DEALERS ONLY

	CHICAGO July 20	TWIN CITIES July 20	PHILA. July 20	BOSTON July 23
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	25.00 to 30.00	20.00 to 25.00	18.00 to 25.00	15.00 to 25.00
" Extra	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00	12.00 to 15.00
" No. 1	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00	6.00 to 10.00
" Lower grades	8.00 to 10.00	6.00 to 8.00	3.00 to 5.00	1.00 to 4.00
Bride, 'Maid, Fancy & Special	5.00 to 6.00	6.00 to 8.00	4.00 to 6.00	3.00 to 4.00
" Lower grades	2.00 to 4.00	3.00 to 6.00	1.00 to 2.00	.25 to 1.00
Killarney, Richmond, Fan. & Sp.	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
" Lower grades	2.00 to 4.00	3.00 to 6.00	1.00 to 2.00	.50 to 4.00
Kaiserin, Carnot	2.00 to 8.00	3.00 to 8.00	2.00 to 8.00	.50 to 6.00
Golden Gate, Chateauf, etc.	2.00 to 6.00	3.00 to 7.00	2.00 to 6.00	.50 to 4.00
<b>CARNATIONS</b>				
Fancy and Novelties	1.00 to 2.00	2.00 to 2.50	1.50 to 2.50	1.00 to 2.00
Ordinary	.80 to 1.00	1.00 to 2.00	.75 to 1.00	.25 to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas	40.00 to 50.00	40.00 to 50.00	..... to 50.00	40.00 to 50.00
Lilies	12.00 to 15.00	8.00 to 10.00	8.00 to 10.00	6.00 to 8.00
Lily of the Valley	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Asters	1.00 to 2.00	1.00 to 2.00	..... to 1.00	.50 to 1.00
Gladioli	4.00 to 6.00	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Sweet Peas	.25 to 40	.25 to .60	.20 to .50	.10 to .25
Adiantum	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	6.00 to 10.00	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00
Asparagus Plumosus, strings	5.00 to 50.00	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " & Spreu. (100 bchs.)	25.00 to 35.00	35.00 to 50.00	35.00 to 50.00	15.00 to 50.00

**J.A. BUDLONG**

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty...

**Wholesale Grower of CUT FLOWERS****ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting  
especially adapted for florists' use. 1

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 58.

**J. B. Murdoch & Co.**

Wholesale Florists

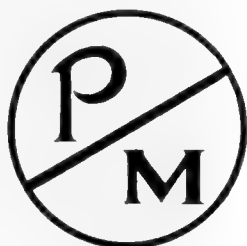
FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

**TO BUYERS**

Patronize our advertisers, they will treat you right



QUALITY

# FLORISTS' HOSE

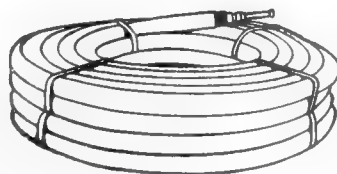
BULLDOG BRAND

16c. per foot.

P. M. QUALITY BRAND

16c. per foot.

Try a 100 of the "P. M." Many consider this, our own special brand, superior to the well-known "Bull Dog."



## S. S. PENNOCK-MEEHAN CO., "THE" PHILA.

1608 to 1620 Ludlow Street—Store Opens 7.30 A. M., Closes 6 P. M.

## FLOWER MARKET REPORTS

**BOSTON** Local business is exceedingly quiet and the summer resort trade has not been heard from thus far. The best roses are still Carnot and Kaiserin. Killarney is very abundant, color rich but substance lacking. Bride and Bridesmaid are very insignificant as a rule and are not wanted. Anything of fair quality in American Beauty sells all right. Carnations are practically out for the time being and asters are beginning to come along to take their place. Prices stationary.

**BUFFALO** The first part of previous week was very quiet; in fact everybody being sleepy, trade was at a standstill, stock quite plentiful and nothing at all doing in the flower line. Vacations and fishing trips are the talk when a gathering is in order. On Thursday there was an "awakening"; stock was not plentiful and the demand constantly grew for carnations, roses, etc., and at the end of the week everything was cleaned up. The cemetery florists took everything in sight, reporting floral work in heavy demand, and everyone on the hustle. Asters are now coming in and lilies, lily of the valley, gladioli, sweet peas and greens are selling somewhat better than heretofore.

**CHICAGO** There is no startling changes in the Chicago flower market. Opinions vary somewhat as to the sales compared with those of last year. The majority feel that there is little change. During the early part of the week trade was more active than at any time the previous week. Stock in some respects is better than could be expected in July. Some particularly fine white carnations are to be seen and Lawsons are also good for midsummer. Beauty roses are lengthening out. Asters are slowly coming in and have short stems. Peas and gladioli are holding fairly well. The cooler weather has freshened up stock wonderfully.

**INDIANAPOLIS** Trade now has fairly settled down to midsummer conditions, with little complaint to be made. The usual line of mid-

summer roses is seen, although somewhat the worse for the heat. Much the same may be said of carnations. Asters are slow in coming, the stems short and blooms inferior. Auratum lilies are abundant and about the only lilies on the market at the present time. American Beauties from young plants are now coming in, some showing stems two feet long. Long stems are to be had in very limited quantities. Gladioli are good property now, and there is a good supply.

**NEW YORK** Roses and carnations are shortened up materially, the latter almost to the point of extinction. There are lilies and gladioli in great abundance, but there is no demand of any consequence for these or anything else. Asters are coming in moderate supply. Cattleyas are very scarce. The wholesale establishments are closing early every day now.

**PHILADELPHIA** Carnations are scarce and inferior and the expected influx of asters has not materialized. The early asters have been almost a failure for want of rain, and unless the dry spell is broken soon the second earlies will be a disappointment also. American Beauty roses are not very good but meet with ready sale. Kaiserins and Killarneys from local sources are showing up unexpectedly good. Not many orchids around but enough for the demand. Lily of the valley is pretty fair quality. Speciosum and auratum lilies are seasonable items for design work. The speciosums are cut short as a rule so as to save the undeveloped buds. There is a glut of common water lilies but the fancy varieties are better stock and bring readily three and four dollars per 100. Sweet peas are hardly worth mentioning—their glory has departed.

### OBITUARY.

The wife of A. W. Cleveland, Rensselaer, Ind., died on July 11.

Mrs. Pahud, wife of Alfred Pahud, florist of Indianapolis, Ind., died on July 6, aged 53 years.

### PUBLICATIONS RECEIVED.

Bulletin No. 17, of the Nebraska State Horticultural Society for May, 1908. Comprising notes from the Nebraska Experiment Station of York, compiled by C. S. Harrison.

"Mushrooms, and How They Can Be Cultivated Profitably" is a very practical treatise on the subject of mushrooms and mushroom spawn, issued by the proprietors of the Twyford Abbey Mushroom Farm, England. Anyone wishing complete instruction in the growing of mushrooms can find it in this pamphlet.

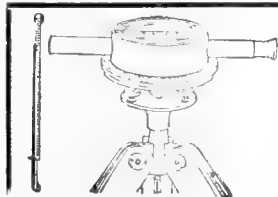
### FREELY GIVE.

When you have a thought that's cheery,  
Pass it on,  
It will surely aid the weary;  
Pass it on,  
Give it freely. Do not keep it  
Till your measure full, then heap it  
Later you will surely reap it.  
Pass it on.

When you have a thought that's healthful,  
Pass it on,  
When you have a thought that's wealthful;  
Pass it on,  
Give it quickly, while it's vital,  
Give it with full right and tid,  
Give it—never seek requital.  
Pass it on.

Kindly given thoughts will flourish,  
Pass them on,  
They will starve people nourish;  
Pass them on,  
Then if rightly they're directed  
They will surely be reflected  
And a harvest unexpected  
Will return.

M. G. Kains, in New England Home  
stead.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue., ATLANTA, GA

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3876 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
CARNEDIAS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 769 Mad. Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer and Seller of  
**CUT FLOWERS**  
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending July 18 1908	First Half of Week beginning July 20 1908		Last Half of Week ending July 18 1908	First Half of Week beginning July 20 1908
<b>Roses</b>			<b>Carnations, Fancy and Novelties.</b>	1.00 to 1.50	1.50 to 2.00
Am. Beauty, fan and sp. ....	10.00 to 25.00	10.00 to 25.00	"    Ordinary .....	.50 to .75	..... to 1.00
"    extra .....	6.00 to 10.00	6.00 to 10.00	<b>Cattleyas</b> .....	20.00 to 30.00	20.00 to 30.00
"    No. 1 .....	4.00 to 6.00	3.00 to 5.00	<b>Lilies</b> .....	4.00 to 8.00	3.00 to 6.00
"    Lower grades .....	1.00 to 2.00	1.00 to 2.00	<b>Lily of the Valley</b> .....	1.00 to 2.00	1.00 to 2.00
Bride, 'Maid, fan and sp. ....	2.00 to 4.00	3.00 to 5.00	<b>Asters</b> .....	1.00 to 2.00	1.00 to 2.00
"    lwr. grds. ....	.50 to 2.00	1.00 to 2.00	<b>Gladioli</b> .....	1.00 to 3.00	1.00 to 3.00
Killarney, Richmond, fancy & spec	3.00 to 5.00	4.00 to 5.00	<b>Gardenias</b> .....	10.00 to 12.00	10.00 to 12.00
"    lower grades. ....	.50 to 2.00	1.00 to 2.00	<b>Sweet Peas</b> per 100 bunches.....	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot.....	.50 to 5.00	1.00 to 6.00	<b>Adiantum</b> .....	.50 to .75	.50 to .75
Golden Gate, Chateau, etc. ....	.50 to 5.00	1.00 to 5.00	<b>Smilax</b> .....	6.00 to 10.00	10.00 to 12.00
			<b>Asparagus Plumosus, strings....</b>	20.00 to 25.00	25.00 to 25.00
			"    & Spreng. (100 bchs.)	10.00 to 20.00	10.00 to 15.00

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. **New York.**

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites.

**TRAENDLY & SCHENCK**  
**WHOLESALE FLORISTS**  
Furnish best stock at fair prices all the year round. Send for quotations on fall orders  
Tel. 798.799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 **NEW YORK**

**A. MOLTZ**  
Will purchase flowers on order in  
N. Y. market and ship carefully at  
prevailing wholesale prices. Address  
55-57 West 26th Street, New York City



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR  
**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in  
Florists' Supplies and Wire Designs.

**383-87 ELLICOTT ST.  
BUFFALO, N. Y.**

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**  
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and  
varnished, 18x30x12, made in two sec-  
tions, one for each size letter, given  
away with first order of 500 letters

Block Letters, 1 1/4 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**FRANK S. HICKS & CO.**

**Wholesale Florists.**

Open Now for Consignments of Cut Flowers.

39 West 28th Street, - New York City

Tel. 2920 Mad. Sq.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNs, \$2.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.

## WHOLESALE FLOWER MARKETS.

PER 100.  
TO DEALERS ONLY.

CINCINNATI  
July 20

DETROIT  
July 20

BUFFALO  
July 20

PITTSBURG  
July 20

### ROSES

Am. Beauty, Fan, and Sp.....	20.00	to	25.00	25.00	to	35.00	20.00	to	25.00	20.00	to	30.00
“ Extra.....	15.00	to	20.00	18.00	to	20.00	10.00	to	20.00	10.00	to	15.00
“ No. 1.....	8.00	to	10.00	12.00	to	15.00	6.00	to	8.00	6.00	to	8.00
“ Lower grades.....	4.00	to	6.00	6.00	to	10.00	3.00	to	6.00	1.00	to	4.00
Bride, 'Maid, F. & S.....	5.00	to	6.00	5.00	to	8.00	6.00	to	8.00	5.00	to	6.00
“ Low. gr.....	2.00	to	4.00	3.00	to	5.00	3.00	to	6.00	2.00	to	4.00
Killamey, Richmond, Fan, & Sp.....	6.00	to	8.00	8.00	to	10.00	6.00	to	8.00	6.00	to	8.00
“ Lower grades.....	2.00	to	4.00	5.00	to	7.00	3.00	to	6.00	3.00	to	5.00
Kaiserin, Carnot.....	5.00	to	8.00	6.00	to	8.00	6.00	to	8.00	3.00	to	10.00
Golden Gate, Caatenay, etc.....	5.00	to	8.00	4.00	to	7.00	4.00	to	5.00	3.00	to	8.00

### CARNATIONS

Fancy and Novelties.....	2.00	to	3.00	1.50	to	3.00	1.50	to	2.00	.....	to	2.00
Ordinary.....	1.00	to	2.00	1.00	to	1.50	1.00	to	1.50	.75	to	1.50

### MISCELLANEOUS

Cattleyas.....	40.00	to	50.00	40.00	to	50.00	40.00	to	50.00	.....	to	75.00
Lilies.....	8.00	to	10.00	6.00	to	10.00	8.00	to	12.00	10.00	to	12.00
Lily of the Valley.....	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00	3.00	to	4.00
Asters.....	.....	to	.....	.....	to	.....	1.00	to	2.00	1.50	to	2.00
Giadioli.....	.....	to	4.00	10.00	to	12.00	3.00	to	4.00	6.00	to	8.00
Sweet Peas.....	.50	to	.75	.75	to	1.00	.20	to	.40	.25	to	.....
Adiantum.....	.50	to	.75	1.00	to	1.50	.50	to	1.00	.....	to	1.50
Smilax.....	.....	to	1.00	10.00	to	15.00	.....	to	15.00	.....	to	15.00
Asparagus Plumosus, strings.....	40.00	to	50.00	40.00	to	60.00	50.00	to	60.00	30.00	to	50.00
“ “ & Spreng. (100 bchs.).....	.....	to	25.00	15.00	to	25.00	25.00	to	50.00	30.00	to	40.00

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

136-138 W. 28th St., New York City

Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted.  
62 Vesey St., NEW YORK

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

**R. J. Dysart, 23 State St., Boston.**  
For page see List of Advertisers.

## ARAUCARIAS

**A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.**

For page see List of Advertisers.

**Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.**

For page see List of Advertisers.

We have a specially fine lot of Araucarias—the plants at \$100 each are extra value for the money.

4-inch.....50 cents each

5 ".....75 "

6 ".....\$1.00 each

**Wittbold Co., 1657 Buckingham Place, Chicago, Ill.**

## ASPARAGUS

**A. N. Pierson, Cromwell, Conn.**  
**Asparagus Plumosus Seedlings.**

**J. M. Thornburn & Co., 33 Barclay St., New York.**

Plumosus Robustus Seeds.

For page see List of Advertisers.

**M. H. Rose, 46 Macomb St., Detroit, Mich.**  
For page see List of Advertisers.

**O. V. Zangen, Hoboken, N. J.**

Asparagus Plumosus Nanus Seedlings.

For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine plants, \$2.50 per 100; \$20.00 per 1000. Cash with order or good reference. **Erle Floral Co., Erie, Pa.; or, Wm. F. Kasting Co., 385 Ellcott St., Buffalo, N. Y.**

## ASTER SEED

**Altimo Culture Co., Canfield, O.**  
For page see List of Advertisers.

## AUCTION SALES

**Cleary's Horticultural Co., 62 Vesey St., New York.**

For page see List of Advertisers.

## AZALEAS

**A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.**

For page see List of Advertisers.

## BAMBOO CANES

**Yokohama Nursery Co., 31 Barclay Street, New York.**

For page see List of Advertisers.

## BAY TREES.

**N. F. McCarthy & Co., 84 Hawley St., Boston.**

For page see List of Advertisers.

**Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.**

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. **Julius Roehrs, Rutherford, N. J.**

## BEGONIAS

**Thomas Roland, Nahant, Mass.**  
**Gloire De Lorraine.**

For page see List of Advertisers.

**S. S. Skidelsky, 1711 N. 18th St., Phila.**  
**Gloire de Lorraine.**

For page see List of Advertisers.

**R. Vincent, Jr., & Sons Co., White Marsh, Md.**

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2 1-4 inch pots, \$12.00 per 100; \$110.00 per 1000. **Julius Roehrs, Rutherford, N. J.**

## BOILERS

**BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.**

**Kroeschell Bros. Co., 35 Erie St., Chicago.**  
For page see List of Advertisers.

## BUILDING MATERIAL

**BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.**

## BULBS AND TUBERS

**Joseph Breck & Sons, 47-54 N. Market St., Boston.**

For page see List of Advertisers.

**J. M. Thornburn & Co., 33 Barclay St., New York.**

Cold Storage Lily of the Valley.

For page see List of Advertisers.

**A. T. Boddington, 342 W. 14th St., N. Y.**  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

**Richards Bros., 37 East 19th St., New York.**  
For page see List of Advertisers.

**H. F. Mitchell Co., Philadelphia.**

For page see List of Advertisers.

**H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.**

For page see List of Advertisers.

**James Vick's Sons, Rochester, N. Y.**  
Fall Bulbs.

For page see List of Advertisers.

**K. Veithuys, Hillegom, Holland,**  
Represented by **Felix Bosch, 260 Clarendon St., Boston.**

Bulbs French and Dutch.

For page see List of Advertisers.

**P. R. Pierson Co., Tarrytown-on-Hudson, N. Y.**

Lilium Harrisli.

For page see List of Advertisers.

**Currie Bros., Milwaukee, Wis.**

Cold Storage Lilies.

For page see List of Advertisers.

**Stokes' Seed Store, Philadelphia, Pa.**  
French and Dutch Bulbs.

For page see List of Advertisers.

**Lilium Canadense (both red and yellow), and Philadelphia and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit L. E. Williams, Nottingham, N. H.**

## CANNAS

**Wood Bros., Fishkill, N. Y.**  
For page see List of Advertisers.

## CARNATIONS

**F. Dorner & Sons Co., Lafayette, Ind**  
For page see List of Advertisers.

**Chicago Carnation Co., Joliet, Ill.**  
Field Grown.

For page see List of Advertisers.

**John E. Haines, Bethlehem, Pa.**  
Field Grown

Carnations Imperial and Pink Imperial.

For page see List of Advertisers.

**Albert Roper, Tewksbury, Mass.**  
Carnation Bay State.

For page see List of Advertisers.

**Worcester Conservatories, Worcester, Mass.**  
Field Grown Carnations.

For page see List of Advertisers.

Carnation cuttings of all the leading varieties at the same price as any reliable firm. Write for prices before you look elsewhere. **Wm. F. Kasting Co., 385 Ellcott St., Buffalo, N. Y.**

## CARNATIONS—Continued

**CARNATIONS!! FIELD GROWN!!**  
Immediate delivery. Enchantress, \$45.00 per 1000; \$5.00 per 100. Winsor, \$55.00 per 1000; \$6.00 per 100. Large, bushy, healthy plants. Satisfaction guaranteed. Cash with order or C. O. D. **Wanoka Greenhouses, Barneveld, N. Y.**

50,000 Field Carnations now ready. Were fielded April 1 and are fine and big. Very bushy, having been repeatedly topped. Long Island grown. Early benching with these plants means money next fall and winter to you.

Enchantress, Rose Pink Enchantress, Lady Bountiful, Queen, White Lawson, Lawson, Red Lawson, Robt. Craig, Victory, White Perfection, Harlowarden, Prosperity. First size, \$5 per 100, \$50 per 1000; second size, \$4 per 100, \$40 per 1000.

Novelties—White Enchantress, Beacon, Imperial, Bonnie Maid, Aristocrat, Winsor, Pink Imperial, Lloyd (New Bedford white), \$8 per 100, \$70 per 1000. Cash with order. Will book order and hold until you are ready.

**Harlowarden Greenhouses, Greenport, N. Y.**

## CATALOGUE ILLUSTRATING

**Gatchell & Manning, 27-41 S. 6th St., Philadelphia.**

## CAULIFLOWER AND CABBAGE SEED

**H. Hartmann & Co., Copenhagen, Denmark.**

For page see List of Advertisers.

## CHRYSANTHEMUMS

**Chas. H. Totty, Madison, N. J.**

**R. Vincent, Jr., & Sons Co.,**

White Marsh, Md.

For page see List of Advertisers.

**Frank Oechsli, 2570-2606 W. Adams St., Chicago, Ill.**

Pot Chrysanthemums.

For page see List of Advertisers.

**Wood Bros., Fishkill, N. Y.**

Midsummer and late varieties ready now and can supply up to September 15. Rooted Cuttings, Beatrix May, Wanamaker, both Eatons, Nonin, both Chadwicks, both Bonaffons, Maud Dean, Enguehard, Murdock, both Ivories, Alice Byron, C. Tousey, Merry Nmas, M. F. Plant, Intensity, A. J. Balfour, Mary Mann, Appleton, Golden Wedding, Duckham, Majestic, \$1.75 per 100; \$15.00 per 1000. Novelties: A. H. Roosevelt, Hankey, Winter Cheer, Rosette, Clay Frick, Golden Dome, Virginia Pochmann, Moneymaker, Mrs. A. T. Miller, Mrs. Partidge, \$3 per 100; \$25 per 1000. For plants out of 2 to 2 1-2 in. pots add 1/3 to above prices. Orders looked and held until you are ready. Cash with order. Ten per cent discount for cash orders now for August and September delivery. **Harlowarden Greenhouses, Greenport, N. Y.**

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CONIFERS

**John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.**

For page see List of Advertisers.

## CUT FLOWER BOXES.

**Edwards Folding Box Co., Philadelphia.**  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co., Milwaukee, Wis.**

# For List of Advertisers See Page 121

**CYCLAMEN.**

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

**DAHLIAS**

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

**DECORATIVE PLANTS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

**ECHEVERIAS**

Echeverias, \$18 per 1000, post paid. McDowell, Mexico City.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

Frank Oechslin, 2570-2606 W. Adams St., Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

**FERNS FOR JARDINIERS**

Frank N. Eskesen, Madison, N. J.  
For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Thos. J. Grey & Co.,  
82 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New York.  
Thompson's Manures.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Red pots, seed pans, etc.  
The Peters & Reed Pottery Co., Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh, Md.

New and Standard Varieties.  
For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St., Chicago.  
For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.  
For page see List of Advertisers.

King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.  
For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.

The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

Henry A. Dreer, 714 Chestnut St., Phila. Riverton Hose.  
For page see List of Advertisers.

S. S. Pennock Meehan Co., Phila., Pa. Florists' Hose, Bull Dog and P. M. Brand.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Michigan Cut Flower Exchange,  
88 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

F. R. Pierson Co., Tarrytown, N. Y.  
Hydrangea Quakers in Tubs.  
For page see List of Advertisers.

American Everblooming Hydrangea, (H. Arboreus, Sterilis), strong, nursery grown plants, \$15.00 per 100; \$140.00 per 1000; 8 to 12 in., \$10.00 per 100; \$90.00 per 1000; 5000 for \$100.00. Peonies, a choice collection. Festive Maxima, strong divisions, \$18.00 per 100; Queen Victoria, \$7.00 per 100. A hundred other good sorts. Lists free. The E. Y. Teas Company, Centerville, Ind.

**INSECTICIDES.**

Nicotide kills all greenhouse pests.  
P. B. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
Rose's Eureka For Scale.  
For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St., New York.

Kilbuck Tobacco Dist.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**JUMPING BEANS**

Jumping Beans, \$5 per 1000, post paid. McDowell, Mexico City.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roselindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made Up Specimens.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00

Wittbold Co., 1637 Buckingham Place, Chicago, Ill.

**LOBELIAS**

Double Lobelia, Kathleen Mallard, 2 1/4 in., 4c. Strong cuttings from soil, all full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Anglo-American Spawn Co., Kennett Square, Penna.  
For page see List of Advertisers.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.  
For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental Trees.  
For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
Holland Nursery Stock for Forcing.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists.  
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roselindale, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

Peterson Nursery, Lincoln and Peterson Aves, Chicago, Ill.  
Peony and Iris Roots.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

Peonies, largest collection anywhere, 1200 sorts, big stock of Couronne d'Or, Felix Crousse, O. Demay, etc. C. Betscher, Canal Dover, Ohio.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe. Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT TUBS**

H. A. Dreer, 714 Chestnut St., Phila.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.

**For List of Advertisers See Page 121**

**RETAIL FLORISTS—Continued**

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and Maid.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.  
Killarney, Richmond, Bridesmaids.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.  
Roses Own Roots from Grafted Stock.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Grafted Roses, Own Roots.  
For page see List of Advertisers.

Jas. J. Curran, Salem Conservatories, Salem, Va.  
For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Grafted Bride and Carnot Roses.  
For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No. 1-1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

**S. A. F. CONVENTION ACCOMMODATIONS**

Tower Hotel, Niagara Falls, N. Y.  
For page see List of Advertisers.

**S. A. F. TRADE EXHIBITION AT NIAGARA.**

Chas. H. Keltsch, Buffalo, N. Y.

**SEEDS**

T. J. Grey Co., 32 So. Market St., Boston, Mass.  
For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.  
Boddington's Challenge Pansy, also Sweet Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.

H. F. Michell Co., 1017 Market St., Phila.  
Pansy Seed.  
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
Pansy Seeds.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.

Francis Brill, Hempstead, N. Y.  
Pansy Seed.  
For page see List of Advertisers.

Stokes' Seed Store, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.

**SMILAX**

R. Vincent, Jr., & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

A. V. D. Snyder, Ridgewood, N. J.  
For page see List of Advertisers.

Smilax, strong, 2-1-4 in. pots, \$1.25 per 100; \$10.00 per 1000. Cash please. Wm. Livesey, McCabe St., New Bedford, Mass.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopsay, So. Bend, Ind.

**STEAM TRAP**

E. Hlippard, Youngstown, O.

**STRAWBERRY PLANTS**

R. & J. Farquhar & Co., 6 and 7 So. Market St., Boston.  
Pot-Grown.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**TUBEROSES**

No. 1 Pearl Tuberose bulbs, \$5.00 per 100. Schlegel & Fottler Co., 26 South Market St., Boston.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 118 Broadway, N. Y.

**VIOLETS.**

Maria Louise and Farquhar violet plants, strong, February and March sand struck, clean and free from disease, \$2.00 per 100; \$15.00 per 1000. Will be ready May 15. Cash with order, please. C. Lawritzen, Box 261 Rhinebeck, N. Y.

How to Make Money Growing Violets, will be sent postpaid for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Commercial Violet Culture, by B. T. Gal-lowsay, sent postpaid for \$1.50, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Welgel & Ujfalussy, 136-138 W. 25th St., New York.

Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Buffalo**

Wm. F. Kasting Co., 583-87 Ellicott St., Buffalo, N. Y.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 35-49 Wabash Ave., Chicago.  
For page see List of Advertisers.

J. A. Budding, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

### WHOLESALE FLORISTS— Continued.

#### Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

#### New York

J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

John J. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.

Frank S. Hicks & Co., 39 W. 28th St., New York.  
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.

Phillip F. Kessler, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.

A. Moltz, 55-57 W. 28th St., New York.  
For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

#### Philadelphia

W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

#### Pittsburg

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

#### St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

BEGONIAS, GLOIRE DE LORRAINE, AGATHA.

J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

For page see List of Advertisers.

CARNATIONS, FAIR MAID, QUEEN, FIELD GROWN.

Aug. Gaedeke & Co., Nashua, N. H.

For page see List of Advertisers.

CARNATIONS, LAWSON ENCHANTRESS, FIELD GROWN.

Chas. Knopf Floral Co., Richmond, Ind.

For page see List of Advertisers.

CATTLEYA DOWIANA VAR. AUREA, C. GIGAS, MILTONIA VEXILLARIA.

Julius Roehrs Co., Rutherford, N. J.

For page see List of Advertisers.

DECORATIVE PLANTS, SAINT-PAULIA, POINSETTIAS, PRIMULAS, ETC.

Storrs & Harrison Co., Painesville, O.

For page see List of Advertisers.

FIELD GROWN CARNATIONS.

United States Cut Flower Co., Elmira, N. Y.

For page see List of Advertisers.

FIELD GROWN CARNATIONS.

C. H. Totty, Madison, N. J.

For page see List of Advertisers.

FIELD GROWN CARNATIONS.

Chicago Carnation Co., Joliet, Ill.

For page see List of Advertisers.

GERANIUMS, SMILAX, HARDY CHRYSANTHEMUMS.

R. Vincent Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

HYDRANGEA ARBORESCENS GRAND, ALBA.

Elm City Nursery Co., New Haven, Conn.

For page see List of Advertisers.

KINGLY PRIZE WINNER PANSY SEED.

Johnson Seed Co., 217 Market St., Phila.

For page see List of Advertisers.

100,000 PEONIES.

Cottage Gardens Co., Queens, N. Y.

For page see List of Advertisers.

### FOR SALE

PUBLIC SALE of greenhouse property. Will be sold August 1st, 1908, on the premises on Girard Ave., Swarthmore, Pa., 15 minutes from station, 5 minutes to trolley, in fine location, only 11 miles from Philadelphia. The improvements consist of 5 greenhouses in good condition, covering over 10,000 feet of glass; also 2 large Mushroom houses and one acre of ground. Sale at 2 o'clock, terms easy. V. R. Heft, Swarthmore, Pa.

FOR SALE—At a bargain, greenhouse plant, about 10,000 ft., located in Chicago. For particulars inquire of Chas. W. McKellar, 51 Wabash Ave., Chicago.

FOR SALE—A No. 16 Hitching boiler used only two seasons. Being removed to make room for larger boiler. Apply to Edmund Reardon, Cambridge, Mass.

### FOR SALE

## Public Sale

At READING, PA.

JULY 29th, 1908, 3.30 p.m.

## Penn Flower Shop

636 PENN STREET

Store with greenhouse attached, fixtures, good will, lease. Business well established. Best store in town. Particulars by mail. Bids invited. Address

GEO. S. STIRL, Auctioneer  
25 N. 6th Street, READING, PA.

FOR SALE—Special—Glass for sale below cost. 16x24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parselsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

FOR SALE, or rent, small greenhouse plant, tenement, and as much land as desired. Good location, established trade. Low price, or reasonable rent. Great bargain for right party. Must be sold or rented at once. For particulars address C. T. Phelps, North Adams, Mass.

### SITUATIONS WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED SITUATION—As forester or park foreman. Good references. Address B. care HORTICULTURE, 11 Hamilton Place, Boston.

SITUATION WANTED—German, 32, single, first-class grower Begonia Gloire de Lorraine, Chrysanthemums, Roses, Carnations; good forcer for Easter. M. Grohmann, 286 Market St., Lockport, N. Y.

### HELP WANTED

WANTED—At once a reliable man for carnation growing. State experience and wages expected. John Barr, So. Natick, Mass.

WANTED—Young man, fireman for steam boiler in greenhouse; steady job. State wages expected. R. T. McGURUM, Natick, Mass.

### FOR LEASE

FOR LEASE—Range of 7 greenhouses, 10,000 sq. ft. glass, cottage and 2 acres of land at Cohasset, Mass. Houses in good repair. New Gurney Hot Water Heater. Five minutes' walk from R. R. Station. Controls good summer trade. Excellent opening for industrious florist. Apply to HORTICULTURE, 11 Hamilton Place, Boston.

FOR LEASE—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

## READY NOW

### POINSETTIAS

Strand 2 1/2 inch pots, \$4.00 per 100.

### ADIANTUM CROWEANUM

Beautiful, 4 inch plants, fine for cutting.

100 plants, 4 inch pots, \$5.00 per 100.

### ARACARIAS

Notch, 4 inch pot plant, 6 in.

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

100 plants, 4 inch pots, 12 inches high,

### PANDANUS UTILIS

2 1/2 inch pots, \$5.00 per 100; 4 inch pots, \$1.00 per 100.

### SAINTPAULIA IONANTHA

(African Violet). Grand pot plant. Strand 1

inch stock, \$10.00 per 100.

### FICUS ELASTICA

4 inch pot, 12 to 14 in. high, \$5.00 per 100;

5 inch pots, 20 inches high, \$5.00 per 100.

### KENTIA BELMOREANA

2 1/2 inch pot plants for centers of ferneries, \$7

per 100.

THE STORRS & HARRISON CO.,

PAINESVILLE, OHIO



## List of Advertisers

Page	Page
Advance, The Co. ....123	Manda Jos. A. ....106
Altimo Culture Co. ....109	MacMullin E. A. ....111
American Nursery... 96	McCarthy N. F. & Co. ....115
American Nursery Co. 96	McConnell Alex. ....110
Anglo-American	McKellar Charles W. ....112
Spawn Co. ....108	McKissick, W. E. ....112
Aschmann G. ....94	McManus Jas. ....114
Atlanta Floral Co. ....110	Michell H. F. Co. ....121
Bambrick Thos. H. ....120	Michigan Cut Flower
Barrows H.H. & Son. ....106	Exchange ....115
Bayersdorfer H. & Co. ....111	Midgley L. Co. ....95
Bay State Nurseries... 96	Millang Bros. ....114
Beaven E. A. ....112	Moltz, A. ....114
Berning H. G. ....115	Moninger J. C. ....122
Boddington A. T. ....115	Moore, Hentz & Nash ....114
.....94-108-109	Murdoch J. B. & Co. ....112
Boston Florist Letter	Murray Samuel ....110
Co. ....115	Niessen Leo. Co. ....112
Boston Plate and Win-	Oechlin Frank. ....94
dow Glass Co. ....122	Ordonez Bros. ....106
Bosch, Felix. ....95	Ouwkerk P. ....96
Bostrom-Brady Mfg.	
Co. ....113	Palethorpe P. R. Co. ....110
Braslan Seed Growers	Park Floral Co. ....110
Co. ....109	Payne John A. ....121
Breck Joseph & Sons 109	Pennock-Meehan Co. ....113
Breitmeyer's J. Sons 110	Perkins St. Nurseries. ....94
Bridgeman's Seed	Peterson J. A. ....95
Warehouse. ....109	Pierce F. O. Co. ....123
Brill Francis. ....109	Pierson, A. N. ....94
Budlong J. A. ....112	Pierson F. R. Co. ....95
Burpee W. A. & Co. ....109	Pierson U Bar Co. ....124
Carrillo & Baldwin ....106	Poehlmann Bros. Co. ....96
Cassidy I. ....123	Pulverized Manure Co. ....121
Castle Co. ....122	Quaker City Machine
Chicago Carnation	Co. ....123
Co. ....95	Raynor John I. ....114
Clarke's David, Sons, 10	Reed & Keller. ....114
Cleary's Horticultural	Reinberg Peter. ....112
Co. ....115	Reuter S. J. & Sons
Cottage Gardens. ....96	Co., Inc. ....96
Cowee W. J. ....115	Rice Bros. ....112
Craig, Robt. Co. ....96	Rickards Bros. ....109
Curran Jas. J. ....96	Robinson H.M. & Co. ....115
Currie Bros. Co. ....94	Rock Wm. L. Flo. Co. ....110
Dingee & Conard Co. ....96	Roehrs Julius Co. ....106
Doane Geo. B. & Son 123	Roper Albert. ....95
Dorner F. Sons & Co. ....95	Roland, Thomas. ....94
Dreer H. A. ....122-123	Rolker August & Son 121
Dunlop John H. ....10	Rose Hill Nurseries. ....96
Dysart R. J. ....112	Rose M. H. ....94-91
Edwards Folding Box	
Co. ....112	Salem Conservators 96
Elliott Wm & Sons ....109	Sander & Son. ....106
Elm City Nurs'g Co. ....106	Schulz Jacob. ....110
Esler J. G. ....123	Scott, John. ....106
Ernest W. H. ....121	Sharp, Partridge & Co. ....122
Eskenen Frank N. ....106	Sheridan W. F. ....114
Eyres. ....110	Siggers & Siggers. ....122
Farquhar R. & J. & Co. 107	Situations & Wants. ....110
Fenrich J. S. ....114	Skidelsky S. S. ....94
Fiske, H. E. Seed Co. ....110	Smyth Wm. J. ....110
.....120-121	Snyder A. V. D. ....106
Foley Mfg. Co. ....123	Standard Plate Glass
Ford Bros. ....114	Co. ....122
Froment H. E. ....114	Stearns A.T. Lumber
Gaedeke August & Co. 95	Co. ....123
Galvin Thos. F. ....111	Stirl Geo. S. ....120
German Kali Works. 107	Stokes Seed Co. ....108
Grey T. J. Co. ....109	Storrs & Harrison Co. ....123
Gude Bros. Co. ....110	Stumpp & Walter Co. ....107-121
Guttman Alex. J. ....114	
Hall Asso. ....123	Thorburn J. M. & Co. ....109
Haines, J. E. ....95	Totty Chas. H. ....95
Hartmann Hjalmar &	Tower Hotel. ....112
Co. ....108	Traendly & Schenck. ....114
Hauswirth M.C. & J. E. 110	United States Cut
Heacock Joseph. ....96	Flower Co. ....95
Herbert David & Son. ....96	Valentine, J. A. ....110
Hews A. H. & Co. ....121	Velthuis K. ....95
Hicks Frank S. & Co. ....115	Vick's Jas. Sons ....109
Hilfinger Bros. ....121	Vincent R. Jr. & Sons, 94
Hill, The E. G. Co. ....96	
Hoenig M. J. ....112	Waterer John & Sons. ....96
Horan E. C. ....114	Weathered Co. ....124
Houghton & Clark. ....110	Weber F. C. ....110
Hunt E. H. ....121	Welch Bros. ....112
Jacobs S. & Sons. ....122	Weigel & Ujalsky. ....115
Johnson Seed Co. ....109	Wilson. ....110
Kasting W. F. ....115	Winterson, E. F. Co. ....112
Kessler, P. F. ....14	Witbold Geo. Co. ....110
King Cons. Co. ....123	Wood Bros. ....96
Knopf, Chas. Floral	Woodrow, Sam'l A. ....115
Co. ....95	Worcester Conserva-
Kroeschell Bros. ....122	tories ....95
Kuebler Wm H. ....115	Yokohama Nursery Co. ....96
Lager & Hurrell ....106	Young & Nugent. ....110
Langjahr, Alfred H. ....114	Zangen O. V. ....129
Leuthy A. & Co. ....94	Zinn Julius A. ....111
Lord & Burnham Co. ....124	Zvolanek A. C. ....109
Lutton W. H. ....123	

## John A. Payne

Greenhouse Designer and Builder

260-274 Culver Ave., Jersey City, N. J.

Purlins



The  
PAYNE  
"Grip-tight  
Fitting"

for purlins and columns, is the strongest and most secure fitting yet produced for this purpose, because it is held fast by two bolts where the greatest grip is required. They cannot break because the bolts are close to edge of pipe.

Iron and Wood Frame Greenhouses of every type. Material only or erected.

Let us estimate on your requirements.

Everything for the Greenhouse



## Standard Flower . . POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

## LIST OF PATENTS.

- 893,052 Windmill. John A. Carlson, Chicago, Ill.
- 893,190 Plant-Spacer. Frances E. Newlon, Culbertson, Neb.
- 893,371 Fender for Agricultural Implements. John W. Rapier, Bryant, N. D.
- 893,441 Plant Protector. Martha J. Cauthers, Sherman, Texas.
- 893,475 Hose-Clamp. John F. Gould, Newark, Ohio.
- 893,584 Combined Seed-Planter and Fertilizer-Distributor. William A. Higgs, Caro, Mich.

Halifax, Nova Scotia, is having a visitation of browntail moths, recently blown across the Atlantic from a point in the New England States.

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

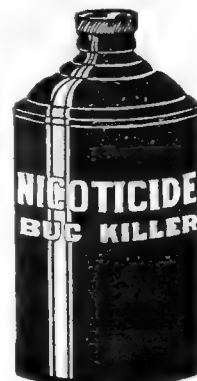
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

IF YOU ARE TROUBLED with Scale, Thrip, Red Spider, Black and Green Fly, Mildew, Rust, Stem Rot, etc., ... USE ...

## ROSE'S EUREKA

the never failing remedy. \$1.00 per Bottle, \$9.00 per dozen Bottles.  
M. H. ROSE, 46 Macomb Street, DETROIT, MICH.  
Agents Wanted in Every State.



## Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/2 " " 5.25	60 8 " " 3.00
1500 4 1/2 " " 6.00	48 10 " " 3.80
1000 3 " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " 5.80	24 11 " " 4.80
500 4 " " 4.50	24 12 " " 4.80
320 5 " " 4.51	12 14 " " 4.80
144 6 " " 3.16	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

?

Is Your Name In The Above List? If Not, Why Not?

# The Latest and the Best in Hot Water Heating

## AN AUTOMATIC CIRCULATOR

(Patent Applied for)

Something which works while you sleep. No anxiety as to whether the power for forced circulation is on or off. Should anything happen to the power, putting your forced circulation out of commission, this new device, not dependent upon anything except nature's laws, takes up its task automatically.

### ABSOLUTELY AUTOMATIC

and it knocks everything else in forced circulation silly. Made with single, double or multiple propellers as our customers desire. After three years' experience we know we have the best apparatus ever built, equally as efficient as the original **Electric Circulator** or its copies in operation, simpler by far in construction, cheaper in price and any one who can make up two flanged joints and attach a belt can install it.

**It is a winner. Drop a line to us and we will be glad to show you.**

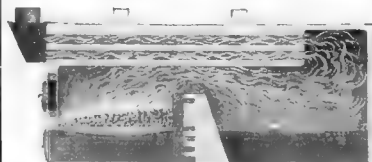
We have a new coupling for pipe or boiler tubes which is worth looking up. We hope very soon to show steam men something for returning water of condensation and automatically producing a vacuum. We are still placing the **Castle Boiler** and ready to accept orders for best modern piping systems. Hot Water or Steam.

## The Castle Company

Heating Engineers

170 Summer St., Boston, Mass.

### KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can no Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.

### STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

## PATENTS

Trademarks and  
Copyrights

Send you business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



**DREER'S**  
Florist Specialties.  
New Brand—New Style.  
Hose "RIVERTON"

Furnished in lengths up  
to 500 ft. without seam or  
joint.

The HOSE for the FLORIST

3/4-inch, per ft., 17 c.

Reel of 50 ft., " 14 c.

2 Reels, 100 ft., " 14 c.

1 1/2-inch, " 15 c.

Reels, 50 ft., " 15 c.

Couplings furnished.

**HENRY A. DREER,**

714 Chestnut St.,  
PHILADELPHIA, PA.

**S. JACOBS & SONS**  
Manufacturers of GULF CYPRESS

### GREENHOUSE MATERIAL

HOT-BED-SASH & FRAMES

Jobbers in Boilers-Pipe-Fittings and

**GLASS** on which we can quote attractive

prices. Disc on large quantities.

We furnish everything for Greenhouse Building

**1365-1379 Flushing Avenue**

**BROOKLYN, - NEW YORK**

### GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**

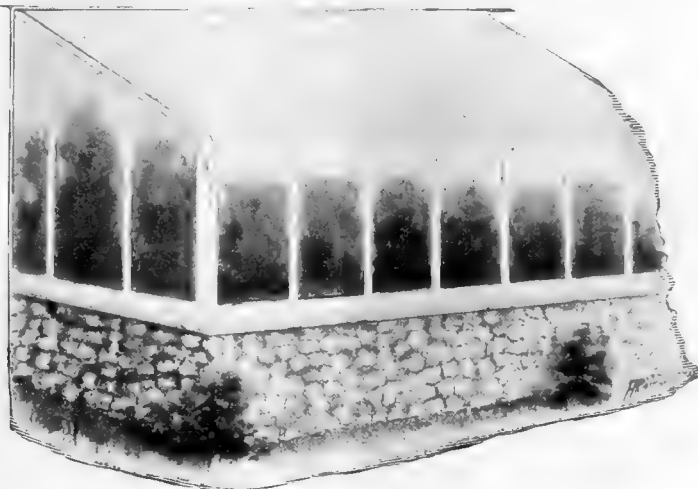
117 E. Blackhawk St., CHICAGO

**BOSTON PLATE & WINDOW GLASS CO.**

### GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.



### The Advance Ventilating Apparatus

Our new pipe couplings makes the work of coupling up the shafting pipe an easy task. Beats anything on the market. We have other good practical things in our line that our patrons appreciate. Best of material, superior principles, ease of operation and erection, makes it popular everywhere. Give us a trial. You will come again. They all do.

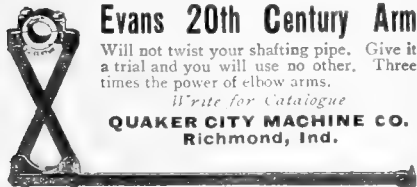
**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419



### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



**The FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE, 25th and 26th STS., CHICAGO**

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

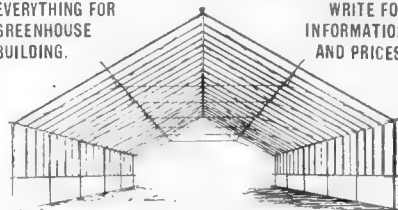
Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



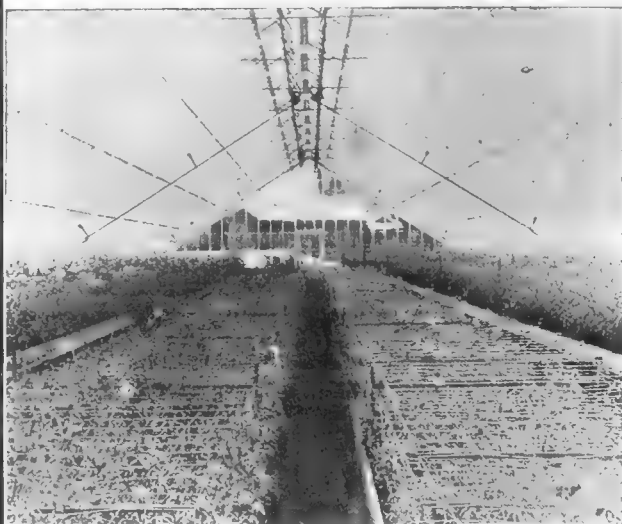
King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.



## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33-1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.



## WE HAVE DUBBED IT OUR HANDY HAND BOOK OF GREENHOUSE MATERIALS

because it is what you might call, all the greenhouse catalogs under one cover. A handy reference book on greenhouse material and equipment. The items are classified, grouped and indexed for ready reference. An invaluable book for Florists, Superintendents and Gardeners. The edition is limited — send for one at once.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
819 Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## THEY HAVE ALUMINUM INTERIOR FINISH

giving a beautiful glistening effect that will last for years. It is only one of the U-Bar strong points — some of the others are strength, lightness, simplicity, durability, adaptability, attractiveness, productiveness, and low cost of maintenance. Send for catalog.

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS

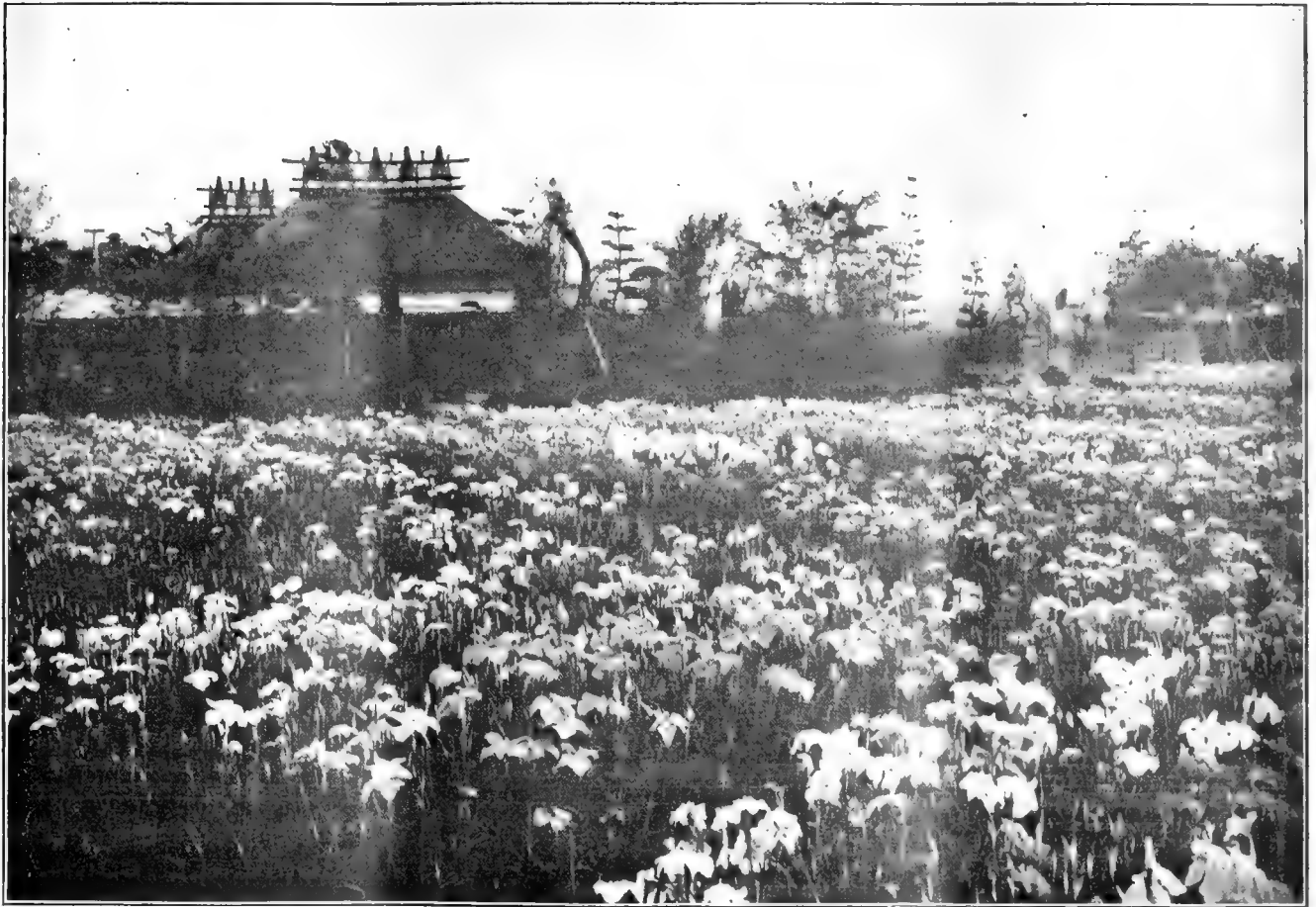


U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII.                      AUGUST 1, 1908                      No. 5



A FIELD OF JAPAN IRISES (*I. LAEVIGATA*)  
Grown for American Trade, at Yokohama Nurseries

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00





# COLD STORAGE

## LILIUM SPECIOSUMS AND AURATUMS, &c.

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

### LILIUM SPECIOSUM ALBUM

8—9 inch, 100 bulbs in a case.....	\$12.80 per case;	\$9.00 per 100;	\$80.00 per 1000
9—11 inch, 100 bulbs in a case.....	14.00 per case;	14.50 per 100;	140.00 per 1000
11—13 inch, 100 bulbs in a case.....	21.00 per case;	22.50 per 100;	210.00 per 1000

### LILIUM AURATUM

8—10 inch, 250 bulbs in a case.....	\$10.00 per case;	\$5.50 per 100;	\$50.00 per 1000
9—11 inch, 100 bulbs in a case.....	8.50 per case;	9.00 per 100;	85.00 per 1000

### LILIUM LONGIFLORUM GIGANTEUM

7—8 inch, 250 bulbs in a case.....	\$17.50 per case;	\$8.00 per 100;	\$70.00 per 1000
7—9 inch, 300 bulbs in a case.....	25.50 per case;	9.00 per 100;	85.00 per 1000
9—10 inch, 225 bulbs in a case.....	29.25 per case;	14.00 per 100;	130.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14 TH STREET, NEW YORK CITY

## CERANIUMS ... OUR ... SPECIALTY

Our collection is the finest and most extensive in the country embracing the cream of the Standard sorts and new varieties from the foremost introducers in the world. We have a fine stock ready for immediate shipment from 2 in. pots, Standard sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50. A splendid collection to stock up on. 500 for \$9.50. We have the following in extra fine shape in 2 inch pots ready for 3 inch, just the stock to grow on for Christmas.

S. A. NUTT.....	\$2.00 per 100
ALPH. RICARD.....	2.00 "
E. H. TREGO.....	3.00 "
PETER HENDERSON.....	3.00 "

MRS. LAWRENCE.....	\$3.00 per 100
LA. PILOTE.....	2.00 "
BERTHE DE PRESILLY.....	3.00 "
PAUL CRAPPEL.....	6.00 "

Smilax strong plants from 2 in. pots, \$2.50 per 100, \$18.50 per 1000. Hardy Chrysanthemums good assortment, \$2.00 per 100, \$17.50 per 1000.

R. VINCENT, JR. & SONS COMPANY, WHITE MARSH, MD.

## LILIUM HARRISII FREESIAS

5 to 7, \$4.50 per 100; \$40.00 per 1000	Extra Choice, 1-2 to 3-4 in., 80c. per 100;
6 to 7, \$6.50 per 100; \$60.00 per 1000	\$7.50 per 1000.
7 to 9, \$10.00 per 100; \$90.00 per 1000	Mammoth, 3-4 in. and up., \$1.00 per 100;
	\$9.00 per 1000.

CURRIE BROS. CO., 312 Broadway, MILWAUKEE, WIS.

Asparagus plumosus nanus, Sprenger, 3 in. \$3.00 per 100.  
 Aspidistra, excellent plants, 5 in. pots, green \$9.00 per doz., variegated, \$15.00 per doz.  
 Araucaria excelsa, \$25.00 per 100 upwards.  
 Adiantum cuneatum, 3 in., \$3.00 per 100.  
 Ficus elastica Rubber, 5 in., \$2.00 per 100.  
 Dracena indivisa, \$4.00 to \$25.00 per 100.  
 " Sanderii, 3 in., \$15.00 per 100.  
 " Godseffiana, 3 in., \$5.00 per 100.  
 Cocos Weddelliana, 3 in., \$1.00 per 100.  
 Lantana Borbonica, \$5.00 per 100 upwards.  
 Kentia Forsteriana and Belmoreana, \$9.00 per 100 up to \$10.00 each.  
 Smilax, 3 in., \$2.00 per 100.  
 Poinsettia, 3 in., \$6.00 per 100.  
 Nephrolepis Scottii, Pieronii, 3 in., \$5.00 per 100.  
 " Bostoniensis, 4 in., \$5.00 per 100.  
 Absolute Satisfaction Guaranteed.

M. H. ROSE, 46 Macomb Street, Detroit, Mich.

## Special Low Prices

On large Specimen Kentias, Palms in Variety, Araucarias, etc., for Decorating Purposes.

### JUST RECEIVED

A large shipment of medium sized Kentias, Arecas, Cocoses, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

A. LEUTHY & CO., Perkins St. Nurseries, ROSLINDALE, MASS.

## Araucarias, Kentias Bay Trees

Araucaria Excelsa Glauca, Sp cimen Plants, 7 in. pots, 6 year old, 5 tiers, 25 to 40 inches high, same in width, \$2.00, \$2.50, \$3.00 to \$4.00 each; 6 in. pots same variety, \$1.25 to \$1.50.

Robusta Compacta, 6 in. pots, \$1.25, \$1.50 each. Excelsa, 3 tiers, 8 to 10 inches, 3 1/4 in. pots, 40c; 5 1/2 to 6 in., 2 to 3 years old, 3, 4, 5 tiers, 10 to 20 inches high, 50c, 60c, 75c, \$1.00 each.

Kentia Belmoreana, 5 1/2 to 5 1/2 in. pots, 22 to 25 ins. high, 50c, 60c, 75c; 4 in. pots, 20 to 22 in., 35c.

Forsteriana, 7 in. pots, made up, 40 in. and above, \$3.00 each. 6 to 7 in. 36 in. high, single, \$2.00. 6 in. pots, 30 in. high, \$1.50. 6 in. 25 to 28 in. high, 75c to \$1.00 each. 5 1/2 in. pots, 20 to 25 in. high, 50c to 60c.

Bay Trees, just arrived from Europe, Standard, 8-ft. high from top of tub, crown 30 inches in diameter, per pr., \$15.00.

Solanum or Jerusalem Cherries, new improved strain, 2 1/2 in. pots, \$5.00 per 100.

Begonia Gloire de Lorraine, raised from leaf cuttings, 3 inch pots, ready for shift into 4 or 5 inch, 25c.

Cash with order, please. All goods must travel at purchaser's risk

## Godfrey Aschmann

Importer, Wholesale Grower and Shipper of Pot Plants

1012 West Ontario St. Philadelphia, Pa.

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR

BUSH PLANTS IN POTS

Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early, Mid-season and Late, 2 1/2 in. 50c per doz., \$3 per 100. 4 1/2 in. in pots, \$1 per doz., \$8 per 100.

PRIMULA OBCONICA and P. CHINENSIS

Best Varieties

Ready Now, 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

FRANK OECHSLIN

2570-2606 W. Adams St., Chicago.

Formerly Garfield Park Flower Co.

## A. N. PIERSON, Inc. CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100 \$140.00 per 1000

Thomas Roland, Nahant, Mass.

## Begonia Gloire de Lorraine

Strong 2 1/2 in. pot plants, leaf cuttings, \$15 per 100, \$140 per 1000. Immediate Delivery

S. S. SKIDELSKY, 1741 No. 18th St. PHILADELPHIA

## ASTER GROWERS ATTENTION:—

Our Seed is All Sold. If you failed to get some it is your loss. However:— Get a Competition Card Now, Enter your name as an Aster Grower of America and win part of our \$250.00 offered in prizes. Entry free. All information gladly given. No cost to you except to prepay the express charges on flowers sent in competition.

Altimo Culture Co., Canfield, Ohio.

**Tobacco Paper**

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**"NICO-FUME"**

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

**LIQUID**

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

**Begonia Gloire de Lorraine**

Strong bushy plants, grown from single leaf, \$15.00 per 100, \$140.00 per 1000.

**Begonia Agatha**

(Veitch) improvement on Begonia Gloire de Lorraine, an easier grower, earlier flowering, of a most pleasing shade of soft satiny pink; \$18.00 per 100.

Can furnish thrifty young plants of either variety, grown from cuttings, at \$8.00 per 100. Strong 4 inch plants, \$35.00 per 100. Now ready for shipment.

Cash with order from unknown  
correspondents

**J. A. PETERSON**

Wholesale PLANT GROWER

McHENRY AVE., WESTWOOD, CINCINNATI, O.

**FIELD CARNATIONS**

High Land Grown

Splendid Plants

	Per 100		Per 100
Rose Pink Enchantress ..	\$6.00	White Lawson .....	\$6.00
Enchantress .....	6.00	Pink Lawson .....	6.00
Lady Bountiful .....	6.00	Red Lawson .....	6.00
Harlowarden .....	5.00	Robert Craig .....	6.00

Stock Now Ready for Shipment

**UNITED STATES CUT FLOWER CO., Elmira, N. Y.****BAY STATE**

The big sensation of  
all the recent Carna-  
tion Shows. A noble  
flower, white with  
carmine markings.

Now Booking Orders for Next January Delivery.

Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000

**ALBERT ROPER, Tewkesbury, Mass.****LAWSON ENCHANTRESS**

The Enchantress with the Lawson Color

Field grown plants, extra fine for shipment at once. Satisfaction guaranteed.  
\$12.00 per 100, \$100.00 per 1000. ENCHANTRESS \$6.00 per 100,  
\$55.00 per 1000. Cash with order or satisfactory reference.

**THE CHAS. KNOFF FLORAL CO.,**

Richmond, Indiana.

**JOHN E. HAINES**

Bethlehem, Pa.

Field plants of the following varieties will be  
ready by August 1st.

John E. Haines, red imperial variegated Pink Imperial, Pink Enchantress, Light Pink	Per 100	Per 1000
	\$6.00	\$50.00

Place your orders early for Jan. delivery.

**CARNATION PLANTS**

5000 Enchantress, 1000 Rose Enchantress, 1000 Bountiful, 5000 good Scarlet Seedlings: All at \$6.00 per 100.  
\$50.00 per 1000. 1000 Boston Market, 4000 Enchantress No. 2, 2000 Fenn, 4000 Queen, 2000 White Lawson: \$4.00 per 100. \$35.00 per 1000. Also 4000 Grafted Brillé Roses at \$10.00 and 300 Pres Cannot at \$4.00.

**WORCESTER CONSERVATORIES**

L. C. MIDGLEY, PROP.

Worcester, Mass.

**THOMPSON'S MANURE**

Specially prepared for Sleepy  
Chrysanthemums, 25 lbs. \$3.75

**WM. ELLIOTT & SONS,**  
42 VESEY STREET, - NEW YORK.

**CARNATIONS****F. DORNER & SONS CO.**

La Fayette, Ind.

**100,000 Field-Grown  
CARNATION PLANTS**

Ready Aug. 15th

**CHICAGO CARNATION CO., JOLIET, ILL.**

A. T. PYFER, Mgr.

**ASPARAGUS  
PLUMOSUS NANUS**

Extra Strong Seedlings, ready  
for 2 1/2 in. pots. Per 100,  
\$1.50; per 1000, \$12.00.

**O. V. ZANGEN, HOBOKEN, N. J.**

... Ask for my new wholesale list ...

**CARNATIONS**

FIELD GROWN, NOW READY

**Fair Maid** and **The Queen** the two best  
Bread and Butter Carnations on the market.  
Our Plants are equal to the best in New Eng-  
land. Extra strong, stocky, healthy plants.  
Order now, and we will ship when you want  
them. **FAIR MAID**, \$40 per 1000  
**THE QUEEN**, 40 per 1000

**AUGUST CAEDEKE & CO.**

25 Concord Street,

NASHUA, N. H.

**FIELD  
GROWN CARNATIONS****Immediate Delivery**

For prices and varieties address

**CHARLES H. TOTTY, MADISON, N. J.****HYACINTHS, TULIPS, NARCISSI**

AND OTHER BULBS

**ROMAN HYACINTHS** and the true  
**PAPER WHITE GRANDIFLORA**

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**

Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

**BEWARE** — of the — **Advertise! Advertise!** Space in Horti-  
culture is rea-  
sonable and effective. Try it and you'll have no surplus to throw away.

## GRAFTED ROSES

Special Bargain Sale  
Extra fine Stock from 3 inch pots.

KILLARNEY, CARNOT, KAISERIN,  
UNCLE JOHN, RICHMOND,

\$2.50 per dozen \$15.00 per 100

BRIDE, BRIDESMAID, GOLDEN  
GATE, LA FRANCE,

\$2.00 per dozen \$12.00 per 100

### OWN ROOT

KILLARNEY, KAISERIN, RICHMOND  
from 3 inch pots, \$7.00 per 100.

BRIDE, BRIDESMAID, GOLDEN  
GATE

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

WOOD BROTHERS, Fishkill, N.Y.

## ROSES

Own roots. Propagated from grafted  
stock. Strong plants. Per 100 Per 1000

MAIDS { 3 in. pots \$4.00 \$35.00

BRIDES { 3 in. pots \$4.00 \$35.00

MME. de WATTEVILLE, 4 in. pots, \$5 per 100

### CHRYSANTHEMUMS

Strong plants, not pot bound.

TOUSET { 2 1/2 in. pots, \$3 per 100

PALEFOUR { 2 1/2 in. pots, \$3 per 100

OCT. FROST { 2 1/2 in. pots, \$3 per 100

ENGUEHARDT { 2 1/2 in. pots, \$3 per 100

S. J. REUTER & SON, Inc., Westerly, R. I.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.

3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

Hardy Rhododendrons Azaleas Con-  
ifers, Clematis, H. P. Roses, Shrubs  
and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights  
P. O. No. 1, Hoboken, N. J.

## ROBERT CRAIG CO.

### ROSES, PALMS,

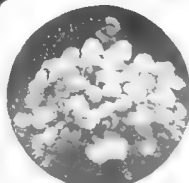
and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## The Roses that Win

MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.  
Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.



New Forcing and Garden  
Hydrangea

## HYDRANGEA

### GRAND ALBA

A taking novelty for

**FORCING**

Strong field-grown 15 inch

and up \$15 per 100, \$140

per 1000. 10 to 15 inch

\$10 per 100, \$100 per 1000.

The Elm City Nurs. Co.  
New Haven, Conn.

# PALMS

## COCOS WEDDELLIANA

2 1/2 in. pot, 8 to 10 in. high ..... 1 cent each

3 1/2 in. pot, 10 to 12 in. high ..... 15 cents each

## KENTIA BELMOREANA

High Each Doz.

6-in. pot, 6 to 7 leaves, 10 to 14 in. \$1.25 \$12.50

6-in. pot, 6 to 7 leaves, 14 to 16 in. 1.75 17.50

6-in. pot, 6 to 7 leaves, 16 to 18 in. 1.50 15.00

7-in. pot, 6 to 7 leaves, 18 to 20 in. 2.00 20.00

7-in. pot, 6 to 7 leaves, 20 to 22 in. 2.50 25.00

7-in. tub, 6 to 7 leaves, 22 to 24 in. 3.00 30.00

7-in. tub, 6 to 7 leaves, 24 to 26 in. 3.50 35.00

7-in. tub, 6 to 7 leaves, 26 to 28 in. 4.00 40.00

7-in. tub, 6 to 7 leaves, 28 to 30 in. 4.50 45.00

7-in. tub, 6 to 7 leaves, 30 to 32 in. 5.00 50.00

7-in. tub, 6 to 7 leaves, 32 to 34 in. 5.50 55.00

7-in. tub, 6 to 7 leaves, 34 to 36 in. 6.00 60.00

7-in. tub, 6 to 7 leaves, 36 to 38 in. 6.50 65.00

7-in. tub, 6 to 7 leaves, 38 to 40 in. 7.00 70.00

7-in. tub, 6 to 7 leaves, 40 to 42 in. 7.50 75.00

7-in. tub, 6 to 7 leaves, 42 to 44 in. 8.00 80.00

7-in. tub, 6 to 7 leaves, 44 to 46 in. 8.50 85.00

7-in. tub, 6 to 7 leaves, 46 to 48 in. 9.00 90.00

7-in. tub, 6 to 7 leaves, 48 to 50 in. 9.50 95.00

7-in. tub, 6 to 7 leaves, 50 to 52 in. 10.00 100.00

7-in. tub, 6 to 7 leaves, 52 to 54 in. 10.50 105.00

7-in. tub, 6 to 7 leaves, 54 to 56 in. 11.00 110.00

7-in. tub, 6 to 7 leaves, 56 to 58 in. 11.50 115.00

7-in. tub, 6 to 7 leaves, 58 to 60 in. 12.00 120.00

7-in. tub, 6 to 7 leaves, 60 to 62 in. 12.50 125.00

7-in. tub, 6 to 7 leaves, 62 to 64 in. 13.00 130.00

7-in. tub, 6 to 7 leaves, 64 to 66 in. 13.50 135.00

7-in. tub, 6 to 7 leaves, 66 to 68 in. 14.00 140.00

7-in. tub, 6 to 7 leaves, 68 to 70 in. 14.50 145.00

7-in. tub, 6 to 7 leaves, 70 to 72 in. 15.00 150.00

7-in. tub, 6 to 7 leaves, 72 to 74 in. 15.50 155.00

7-in. tub, 6 to 7 leaves, 74 to 76 in. 16.00 160.00

7-in. tub, 6 to 7 leaves, 76 to 78 in. 16.50 165.00

7-in. tub, 6 to 7 leaves, 78 to 80 in. 17.00 170.00

7-in. tub, 6 to 7 leaves, 80 to 82 in. 17.50 175.00

7-in. tub, 6 to 7 leaves, 82 to 84 in. 18.00 180.00

7-in. tub, 6 to 7 leaves, 84 to 86 in. 18.50 185.00

7-in. tub, 6 to 7 leaves, 86 to 88 in. 19.00 190.00

7-in. tub, 6 to 7 leaves, 88 to 90 in. 19.50 195.00

7-in. tub, 6 to 7 leaves, 90 to 92 in. 20.00 200.00

7-in. tub, 6 to 7 leaves, 92 to 94 in. 20.50 205.00

7-in. tub, 6 to 7 leaves, 94 to 96 in. 21.00 210.00

7-in. tub, 6 to 7 leaves, 96 to 98 in. 21.50 215.00

7-in. tub, 6 to 7 leaves, 98 to 100 in. 22.00 220.00

7-in. tub, 6 to 7 leaves, 100 to 102 in. 22.50 225.00

7-in. tub, 6 to 7 leaves, 102 to 104 in. 23.00 230.00

7-in. tub, 6 to 7 leaves, 104 to 106 in. 23.50 235.00

7-in. tub, 6 to 7 leaves, 106 to 108 in. 24.00 240.00

7-in. tub, 6 to 7 leaves, 108 to 110 in. 24.50 245.00

7-in. tub, 6 to 7 leaves, 110 to 112 in. 25.00 250.00

7-in. tub, 6 to 7 leaves, 112 to 114 in. 25.50 255.00

7-in. tub, 6 to 7 leaves, 114 to 116 in. 26.00 260.00

7-in. tub, 6 to 7 leaves, 116 to 118 in. 26.50 265.00

7-in. tub, 6 to 7 leaves, 118 to 120 in. 27.00 270.00

7-in. tub, 6 to 7 leaves, 120 to 122 in. 27.50 275.00

7-in. tub, 6 to 7 leaves, 122 to 124 in. 28.00 280.00

7-in. tub, 6 to 7 leaves, 124 to 126 in. 28.50 285.00

7-in. tub, 6 to 7 leaves, 126 to 128 in. 29.00 290.00

7-in. tub, 6 to 7 leaves, 128 to 130 in. 29.50 295.00

7-in. tub, 6 to 7 leaves, 130 to 132 in. 30.00 300.00

7-in. tub, 6 to 7 leaves, 132 to 134 in. 30.50 305.00

7-in. tub, 6 to 7 leaves, 134 to 136 in. 31.00 310.00

7-in. tub, 6 to 7 leaves, 136 to 138 in. 31.50 315.00

7-in. tub, 6 to 7 leaves, 138 to 140 in. 32.00 320.00

7-in. tub, 6 to 7 leaves, 140 to 142 in. 32.50 325.00

7-in. tub, 6 to 7 leaves, 142 to 144 in. 33.00 330.00

7-in. tub, 6 to 7 leaves, 144 to 146 in. 33.50 335.00

7-in. tub, 6 to 7 leaves, 146 to 148 in. 34.00 340.00

7-in. tub, 6 to 7 leaves, 148 to 150 in. 34.50 345.00

7-in. tub, 6 to 7 leaves, 150 to 152 in. 35.00 350.00

7-in. tub, 6 to 7 leaves, 152 to 154 in. 35.50 355.00

7-in. tub, 6 to 7 leaves, 154 to 156 in. 36.00 360.00

7-in. tub, 6 to 7 leaves, 156 to 158 in. 36.50 365.00

7-in. tub, 6 to 7 leaves, 158 to 160 in. 37.00 370.00

7-in. tub, 6 to 7 leaves, 160 to 162 in. 37.50 375.00

7-in. tub, 6 to 7 leaves, 162 to 164 in. 38.00 380.00

## KENTIA FORSTERIANA

High Each Doz.

6 in., 5 to 6 leaves, 20 to 30 in. .... \$1.00 \$12.00

6 in., 6 leaves, 30 to 34 in. .... 1.25 15.00

6 in., 6 leaves, 34 to 38 in. .... 1.50 18.00

## KENTIA FORSTERIANA

Made Up Plants

High Each Doz.

7 in. pot, 4 plants to pot, 34 to 36 in. \$2.50 \$30.00

9-in. tub, 4 plants to tub, 42 in. .... 4.00 48.00

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

## JOHN WATERER & SON, Ltd.

American Nursery

Bagshot, England

Are Specialists in the

### REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varie-  
ties of Hardy Border Plants.

# 100,000 Peonies

For September and October Delivery

We offer over Two Hundred of the leading varieties. Send for descrip-  
tive catalogue and wholesale list.

## COTTAGE GARDENS COMPANY, INC.

Queens, Long Island, New York

## HARDY NEW ENGLAND GROWN NURSERY STOCK

Specimen Evergreens for August Planting

Large collection of choice varieties several times transplanted. *Herbaceous*  
*Perennials*, Strong field-grown plants in great variety for *September*  
*planting*. Catalogues containing everything for the Home Grounds Free.

THE BAY STATE NURSERIES, North Abington, Mass.

## AMERICAN NURSERY COMPANY,

COMBINING

FRED'K W. KELSEY, New York City. F. & F. NURSERIES, Springfield, N. J.

BLOODGOOD NURSERIES, Flushing, L. I. N. J. & L. I. NURSERIES.

We can supply your every need. Write for prices.

Sales Department, - 150 BROADWAY, NEW YORK

# ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove  
PA.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

## PEONIES. 1200 Sorts

Largest collection anywhere. Big lots of the best ones

Howard Woodward, Grandiflora, Perfection,

La France M. Gerard, Cahusac Warwick, O.

Demay, Marie Stuart, Couronne d'Or, Felix

Crousse, etc., etc

1415, 300 best sorts HEMEROCALIS, 15 sorts

Send for list, now ready

G. BETSCHER, Canal Dover, Ohio

## LARGE EVERGREENS

A fine lot of Colorado Blue Spruce, Hemlock,

Norway and Oriental Spruce, Nordmans Fir

and other choice Conifers, 4 to 10 feet high, recently

transplanted. Ask for list.

SAMUEL C. MOON

Morrisville Nursery MORRISVILLE, PA.

## Notes from the Arnold Arboretum

One of the most attractive of the late flowering shrubs is the native White Alder or Sweet Pepperbush, *Clethra alnifolia*, which is now beginning to open its fragrant white flowers. In its wild state it inhabits usually swamps and the banks of ponds or streams, but in cultivation it takes kindly to drier situations and grows well in partial shade. In too dry and sunny situations, however, the foliage is apt to get discolored by becoming infested with the red spider. If planted solitary or on borders of shrubberies it rarely exceeds five feet in height and forms a round dense bush studded all over from the end of July to the middle of August with upright white flower spikes, but if growing between other shrubs it sometimes attains to ten feet in height. A variety which usually remains low and flowers several weeks later is *C. alnifolia* var. *tomentosa* with longer flower spikes and pubescent foliage. A pretty variety but recently discovered near Wattuppa Lake, Fall River, Mass., has pinkish flowers in dense spikes and has therefore been termed var. *rosea*; on account of its color it will add a pleasing variety to groups of the common form. Another native species, *Clethra acuminata*, is less handsome; it forms a loosely branched shrub or small tree up to fifteen feet high with spreading branches bearing usually solitary spikes of creamy white flowers. Very similar is the Japanese *C. canescens* (*C. barbinervis*) with several larger spikes at the end of the branches; it is prettier than *C. acuminata*, but is tender in the neighborhood of Boston.

Several of the native Spiraeas are now coming into bloom; they all belong to the section Spiraria and have the rather stiff habit of the species of this section. The handsomest of them is the Hardhack or Steeplebush, *Spiraea tomentosa*, with slender spikes of pink flowers and the stems and foliage densely covered with yellowish brown tomentum. Two other native species have white or slightly pinkish flowers; these are *Spiraea alba* and *S. latifolia*, usually included under *S. salicifolia*, but it seems more natural to use the name *S. salicifolia* only for the Old World species which is characterized by light pink flowers in dense panicles. *Spiraea latifolia* is the species common in this region and has white flowers slightly tinged pinkish by the pinkish disk and stamens and arranged in rather loose panicles broad at the base. *Spiraea alba* is a more southern species and found chiefly west of the Alleghenies, it has pure white flowers in narrow panicles, narrower leaves and stiff upright stems.

The last of the Sorbarias to bloom is *Sorbaria sorbifolia* var. *dubia*, very similar to *S. sorbifolia* but growing higher and of more spreading, less stiff habit. Also *Sorbaria stellipila* and *S. Aitchisonii* have still a few belated flower clusters; the latter species has already

been noted in the issue of July 18 as one of the most desirable of the Sorbarias. *Sorbaria stellipila* resembles much more *S. sorbifolia*, but besides flowering later it is of less stiff habit and has narrower and longer leaflets.

The Bittersweet, *Solanum Dulcamara* is now very handsome with its drooping clusters of glossy scarlet berries and its violet star-shaped flowers which continue to appear until September. It is a pretty vine for moist situations and finds its best place rambling among the shrubs along streams or in other moist and partly shaded situations; the foliage, however, is apt to suffer from the ravages of insects.

*Alfred Rehder.*

## British Horticulture

### A DESTRUCTIVE POTATO DISEASE

The ravages caused by the spread of black scab in potatoes have given great concern to growers in this country. The matter has lately been discussed at a conference at the Board of Agriculture. The National Fruit Growers' Federation who are taking up the question suggested that it should be made illegal for a grower to sell potatoes from a farm or holding where the disease was known to exist until they had been examined by some duly qualified person; that potatoes found diseased should be destroyed, the grower being compensated from treasury funds up to half their value, and that growers who plant potatoes within a period of years in ground where the disease has existed must, before offering the crop for sale, possess a certificate of the Board of Agriculture, certifying the land to be free from disease. The Board favorably received these suggestions, and agreed to schedule black scab as a notifiable disease. They also decided to adopt a further recommendation for withdrawing the published leaflet which stated that black scab was able to attack mangold and beet. The Board will also make investigations as to whether the disease was being introduced into this country by means of imported seeds. At a recent meeting of the Federation a speaker stated that the disease is more infectious from the soil than from the tubers themselves, and experts asserted that it was not safe to plant potatoes on land where the disease had recurred for six or seven years. The important thing the Board of Agriculture desire the Federation to tell them was how they could determine when a crop is infected, because there appears to be nothing to indicate the presence of the disease except in the potatoes themselves. This is a matter of extreme importance to commercial horticulture.

*W. H. Aclsett.*

# HORTICULTURE

VOL. VIII

AUGUST 1, 1908

NO. 5

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.,  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—A Field of Japan Iris ( <i>laevigata</i> ) .....	129
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder .....	129
BRITISH HORTICULTURE W. H. Adsett.....	129
IRIS LAEVIGATA Robert Cameron.....	131
ROSES UNDER GLASS—J. E. Simpson.....	131
NEWS OF THE CLUBS AND SOCIETIES:	
Society of American Florists—Hotels in Niagara -	
Cincinnati to Niagara Falls—American Association	
of Park Superintendents, Convention Program—	
American Carnation Society—Los Angeles Florist	
Club .....	132
Pasadena Gardeners' Association—Club and Society	
Notes—Coming Events.....	133
DURING RECESS:	
Gardeners' and Florists' Club of Boston—Lake Ge-	
neva Gardeners' and Foremen's Association—De-	
troit Florist Club, Indianapolis Florist Club—	
Omaha Florist Club.....	133
ROSES FROM A RETAILER'S VIEW—Paper by J. F.	
Sullivan .....	134
THE WITTEBOLD CEMENT BENCH Illustrated....	135
EXPOSITION AT GAND, HOLLAND—Translation by	
G. Bleicken.....	136
LIBRARY NOTES—C. Harman Payne.....	136
NORTHERN GROWN COTTON Illustrated.....	137
A NORTHERN ENTERPRISE—C. S. Harrison.....	137
SEED TRADE.....	140
OF INTEREST TO RETAIL FLORISTS:	
Steamer Departures, New Florist Stores.....	142
FLOWER MARKET REPORTS:	
Boston, Chicago, Indianapolis, New York, Phila-	
delphia .....	145
MISCELLANEOUS:	
Greenhouses Building or Contemplated.....	135
List of Patents.....	135
Catalogues Received.....	137
Incorporated .....	137
News Notes.....	138-143
Publications Received.....	139
Tunica Saxifraga fl. rosea pl.....	139
The Ubiquitous Prowtail.....	139
Personal .....	143
Handy Hand Book .....	143
Business Changes.....	145

We have taken frequent occasions to remind  
 Time to our readers of the coming S. A. F. conven-  
 wake up tion at Niagara Falls and to urge upon  
 them the expediency of their presence and  
 participation in that important event. Our earnestness  
 in so doing is solely because we know what mighty

results would follow if the horticultural industries which are legitimately represented in the make up of the society could be awakened to the great possibilities that lie within such a body when adequately supported. Further, it should never be forgotten that neither the individual who counts for anything nor any really live organization can long exist in this world without encountering restraining and coercive influences. The Society of American Florists and Ornamental Horticulturists is no exception and it behooves those engaged in horticultural and floral occupations, every one of whom is vitally concerned, to see to it that any and all movements tending to circumscribe the society's work or weaken its position are firmly resisted.

Where The course of the express companies in  
 you are weak refusing to make allowance for weight  
 or ice used in shipping cut flowers, as  
 in their custom with shipments of

other perishable commodities, is in line with their insistence in every other controversy which has come up that flowers are a luxury and nothing more, and that consequently the grounds on which they allow certain privileges in other cases cannot be admitted as applying to cut flowers. Considering the uses to which flowers are put and the enormous daily consumption of this product it should be easy to show the weakness of any argument classing them as luxuries and celery or mushroom spawn as necessities. The weakness of the florists consists, as it always has, in their lack of cohesion. A united front and general willingness to make sacrifices and share responsibilities individually in measures for the common good would long ago have placed the florist in a much more favorable position commercially than he enjoys today. Express companies and others are awake to this lack and it may be expected that they will take full advantage of it.

In the eastern States the market gardener  
 Intensive seems to have reached the point where  
 cultivation old-time methods of culture are hardly  
 profitable. To successfully compete with  
 the bountiful productions of the more fertile West, he must practice more scientific and advanced cultural methods, and obtain if possible a higher grade of products from his naturally less productive soil. It is true that he has the advantage in markets of large, populous and wealthy cities, whose attractions and comforts seem to have such magnetic influence upon those who acquire wealth in other sections of the country that they are irresistibly drawn towards their luxurious life. The wealth and luxury of our Atlantic coast cities are the elements which afford opportunity for intensive gardening. As we can today of hothouse chickens and milk-fed ducklings, so shall we hear speedily of intensive-culture vegetables and salads. In the larger cities of Europe a demand for such vegetable products has existed for generations, and has been supplied chiefly by the market gardeners of France. France has been noted for her ability to obtain better prices than other countries for her products, for while others have struggled with their necessities, she has catered to the demands of luxury the world over. Even in the United States we are dependent upon her for many of the finer vegetables and salads served in our best hotels and clubs. For instance, fresh grown cauliflower during spring and early summer are imported from France and, later in the season, globe artichokes, endive, chicory, etc. That the supply of these delicacies at practically all



seasons of the year offers ample scope for the enterprise of the eastern grower who cares to practice intensive cultivation and furnish a higher grade of produce than is now obtainable in our home markets is obvious. Already we have followed French methods to a greater degree than any country perhaps with the exception of Belgium. The French have the advantage of us in their skill in using successive catch crops, cultivating simultaneously three or four distinct crops in the same frame and in such a manner that one does not interfere with the success of any of the others. They are growing, too, a number of good things, especially in the way of salads, which we have neglected, and for which there is even now a limited demand here. We have better houses and equipment and our labor-saving devices practically offset their cheaper labor. With the accumulation of wealth the demand for these finer vegetables must necessarily increase and certainly presents a promising, unoccupied field for economic horticulture in the East.

### *Iris laevigata* (Kaempferi)

The Japanese irises of our gardens are varieties and improved forms of *Iris laevigata* (*I. Kaempferi*). The species is a native of eastern Siberia and Japan.

As a garden plant in Japan there are very few other plants that are so highly prized as these irises. The many showy varieties and forms are thought not to be hybrids but have been obtained by selection. Probably the first varieties were brought to this country by Thomas Hogg about the year 1869, but it took them many years to become popular. Now they are to be found in almost every garden.

They are easy to grow if a few cardinal points are attended to. They like good rich, damp, soil; but dislike a position where water rests around their roots in winter. When they are growing give them an abundance of water and any extra care given in this way they will amply repay by their wealth of blossoms and the increased size of flowers. The situation which suits them the best is one where they get the full benefit of the sun.

They may be transplanted in spring or fall, but if done in the fall the transplanting should be early so that the roots may get a good hold of the soil before the winter sets in.

There are an immense number of varieties but about a dozen good distinct kinds will be enough for almost any garden. The double forms are very pleasing and very showy. The wonderful size of the flowers, often eight to twelve inches in diameter, make them especially valuable for garden decoration, but they are not very valuable as cut flowers. They are a July flower and finish up the iris season. To get the best effects they are most pleasing when the masses are made up of distinct varieties. There is no class of plants that has such confusion in their nomenclature, therefore I will not give a list of names.

*Robert Lamm*

## Roses Under Glass

AFTER PLANTING

As soon as the planting is finished, the houses should be given a thorough cleaning. All the walks should be scraped clean of soil and a light covering of small ashes applied. When table benches are in commission the ground underneath should be raked and all debris, decayed leaves and weeds carefully removed, as these, if allowed to remain form excellent hiding and breeding places for all sorts of pests, especially red-spider and thrips, two of the most obnoxious of our insect enemies.

The early planted stock, if not completed already, should be staked and tied up at once. It is not advisable to allow the young growths to ramble and intertwine, as this condition invariable results in a crop of blind or thin wood, which detracts from the appearance of a plant and adds nothing to its value.

Disbudding should be practiced at regular intervals, and with the best judgment of which the grower is capable. Nipping off the bud as soon as it shows itself is admittedly an easy way of doing the work, but is far from attaining the object desired, which is to encourage the growth of strong and vigorous wood from which we may expect to cut future crops of good salable flowers. It is usually safe to cut off, along with the bud, from two to four of the eyes immediately below the bud, being guided in the number by the length and strength of the stem.

After the first crop of weeds have been removed cultivation should receive considerable attention, as it is a great incentive to vigorous growth, and should be practiced freely until the roots approach the surface when further cultivation would be injurious. Greenfly and other insects should not be allowed to establish themselves on the plants. A light fumigating whenever the weather will permit will serve to keep them in check, as the constant syringing during the summer months is a great help in keeping these pests in subjection.

Too much importance cannot be attached to careful handling of the ventilators, if we would escape the unwelcome attentions of mildew. Abrupt changes of temperature must be avoided as much as possible. At the same time, plenty of fresh air day and night is one of the most important factors in the development of healthy, vigorous stock, but should at all times be administered with the most careful judgment.

*J. E. Simpson*

### SPECIAL CONVENTION NUMBER

WHICH IS PUBLISHED

August 15, 1908.

DON'T MISS IT.

Send Advertising Copy NOW and  
We'll Do the Rest.

# NEWS OF THE CLUBS AND SOCIETIES.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Supt. Chas. H. Keitsch reports 8150 sq. ft. of exhibition space at the Cataract Hotel, sold for the exhibition of August 18-22, up to July 25. To the list of exhibitors already published, the following are added:

Sq. ft.	Sq. ft.
Peters & Reed, 32	Wash. Tr. Works, 50
Camp Conduit Co 180	Ellwanger & Barry, 50
J. G. Neidinger, 175	American Florist, 32
G. M. Garland, 100	

Supt. Keitsch has notified the Merchants' Dispatch people to have their different agents call on shippers whose names will be supplied to them, to see if they can be induced to get all their freight together in one or several cars at the different cities, so that if possible all or nearly all freight will get to the Falls in one day.

At Niagara Falls he has arranged with H. W. Anderson, a responsible trucking firm, to take care of all freight coming to the convention. This firm agrees to carry all freight from the railroads to the trade exhibit in hall for 15c. per cwt. All shippers will shortly be supplied from the superintendent's office with uniformly printed tags giving directions, etc., which will minimize the danger of delays or possible miscarriage. Freight should in every case be prepaid, as this will avoid confusion and possible delays.

It has been arranged to cover all tables and benches used by exhibitors with either dark green cambrie or, if preferred, with white cotton goods. This will be done without extra charge.

## HOTELS IN NIAGARA.

Following is a complete list of the better houses in Niagara Falls with rates:

Cataract and International (headquarters), \$3.00 to \$5.00, American plan.  
Prospect House, \$3.00 to \$5.00, American plan.  
Imperial Hotel, \$2.50 to \$3.50, American plan.  
Tower Hotel, \$2.50 upwards, American plan.  
Clifton Hotel, \$2.50 upwards, American plan.  
Kaltenbach House, \$3.00, American plan.  
Temperance House, \$2.00 and \$2.50 upwards.  
New Clifton House (Canadian Side), \$4.00 to \$6.00.  
J. ROWLAND CLOUDSLEY,  
Sec'y Buffalo Florists' Club.

## CINCINNATI TO NIAGARA FALLS.

Inasmuch as through peculiar circumstances the Cincinnati delegation to the S. A. F. Convention at Niagara Falls are able to take advantage of an excursion that is being run to that city, leaving here at the proper time and with a time limit of 12 days, we desire to have it known to all florists

of this district and elsewhere that the Cincinnati florists extend to them a hearty welcome to join us and at the same time to save money.

The Cincinnati delegation will leave Saturday, Aug. 15, via C. H. & D., at 1.30 P. M., to Detroit, remaining there till Monday evening, when they will join the Detroit delegation, going by boat to Buffalo, thence by rail to the Falls. The round trip will be but \$7. A stateroom on the boat will cost but \$2.50 and holds three persons. Inasmuch as staterooms on the boat will soon be at a premium it is necessary that all those desiring to take advantage of this very low rate communicate at once with E. G. Gillett, 114 E. 3rd street, who has the matter in charge. Those not wishing to lay over in Detroit till Monday evening can leave Sunday evening just as well if due notice is given.

Cincinnati expects to have a large delegation, as everyone knows we are after the convention for 1909, and we won't leave any stone unturned to persuade it to come here. We are making an appeal for votes now, but we will make a much stronger appeal when our delegates get on the convention floor.

C. H. OHMER, Secy.

## AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Program for Tenth Annual Convention, Minneapolis, Minn.,  
Aug. 11, 12, 13, 1908.

FIRST DAY TUESDAY, AUG. 11.  
Park Commissioner's Office, 3rd Floor, City Hall.

9.30 A. M. Executive Committee Meeting.

10.00 A. M. Annual Meeting, President J. F. Cowell presiding.

Address of welcome. His Honor the Mayor, James C. Haynes; Hon. Jesse E. Northrup, President Board of Park Commissioners. Response by Prof. J. F. Cowell, President American Association of Park Superintendents. Reading of Minutes. Balloting for Members. Reports of Officers and Committees. Unfinished Business. New Business. Proposed Changes of Constitution. Place of next meeting. Appointment of nominating committee for officers.

12.15 P. M. Ride to Minnikahda Club, Lake Calhoun.

12.45 P. M. Luncheon at Club House as guests of the Minneapolis Commercial Club.

2.00 P. M. Reading of Essays and Discussions at the Club House.

1. "Concessions," J. F. Foster, Superintendent of South Parks, Chicago, Ill.

2. "Oiling and Dust Laying," M. H. West, Superintendent of Lincoln Park, Chicago, Ill.

3. "Park Commissions and Administration," J. A. Pettigrew, Superintendent of Parks, Boston, Mass.

4. "Concrete Construction in Relation to Park Work," Jens Jensen, Superintendent of West Parks, Chicago, Ill.

8.15 P. M. Concert, Lake Harriet Pavilion. Sail on Lake.

SECOND DAY WEDNESDAY, AUG. 12.  
A thirty-five mile automobile trip around the Park System. Guests of the Minneapolis Automobile Club.

8.30 A. M. Start from Headquarters. Farview Park, Glenwood Park, Loring Park, Kenwood Parkway, Lake of the Isles Park. Inspect Orange Peel, Dipper and Hydraulic Dredges at work Lake Calhoun, Lake Harriet, Lyndale Farmstead (Greenhouses and Administration Plant), Minnehaha Parkway, Fort Snelling and Minnehaha Park.

12.30 P. M. Luncheon at Minnehaha Pavilion. Guests of the Board of Park Commissioners.

1.30 P. M. Photograph will be taken at the foot of Minnehaha Falls. Stroll through Glen and Park.

2.30 P. M. Continuation of Automobile Ride, River Road West, Riverside Park, Franklin Avenue Bridge, River Road East, University of Minnesota, Van Cleve Park, Columbia Park, Logan Park, and return to headquarters at 6.00 P. M.

8.00 P. M. Business Meeting of Headquarters. Election of Officers. Miscellaneous Business. Further Discussion of Papers and what has been seen. Question Box.

THIRD DAY—THURSDAY, AUG. 13.  
A trip to Lake Minnetonka.

1.00 P. M. Luncheon at Big Island. Guests of the Board of Park Commissioners.

4.00 P. M. Final Business Session.

## AMERICAN CARNATION SOCIETY.

### Carnations Registered.

By W. N. Rudd, Morgan Park, Ill.

"Greenwood." Parentage seedlings on both sides. Color shell pink; size of flower, average 3 1-2 inches. An unusual fine formed flower, high built bloom; long heavy stiff stems, not so free as some smaller varieties but it is believed the extra quality will make up for it. Continuous bloomer, moderate grower; in habit a little inclined to be straggly.

"Mrs. J. C. Vaughan." Parentage seedlings cross on both sides; Day-break Scott and Enchantress blood in it; color white; size of flower 3 1-2 inches average; growth vigorous and branching freely; early, free and continuous bloomer; stem long, stiff and wiry; equal to the best standard variety as regards non-bursting. A bold, well-formed flower with good substance, keeping and shipping qualities, as good as the best.

ALBERT M. HERR.

Lancaster, Pa. Sec'y.

## LOS ANGELES FLORIST CLUB (CALIF.)

On Saturday, July 11, the Los Angeles Florist Club met for the first time in the Eagles' Hall, West Third street. The club was organized some three months ago and a suitable hall has been hard to get. The meetings have been well attended and there are about 100 members. The officers are as follows: O. C. Saakes, president; Dr. Houghton, vice-president; G. S.

Duncomb, secretary; E. Gage, financial secretary; T. Turner, sergeant-at-arms.

#### PASADENA GARDENERS' ASSOCIATION.

At a recent meeting of the Pasadena Gardeners' Association it was decided to hold a fall show of flowers, fruits and vegetables for three days, October 22, 23, 24. This will be the first fall show held by the association, but they feel encouraged to undertake it by the success attending their spring show. Everything looks very favorable for a good exhibition. The committee in charge is J. Coats, chairman; R. Mackenzie, secretary; F. Ginke, J. Johnson, George Dell; Jno. Blake, manager.

#### CLUB AND SOCIETY NOTES.

The second cherry fair at Salem, Ore., opened on July 16 with a display of this luscious fruit greatly surpassing in variety and quantity that of last year, in a 200-foot open pavilion. A parade preceded the opening of the fair. Throngs were in attendance.

The Juvenile Horticultural Society and H. H. Lillenthal, of Berkeley, Calif., have sued Postmaster Merrill for \$2400 claiming that neglect of his office to deliver invitations to an outing at the De Moto Bros.' gardens, sent out four days in advance, resulted in the failure of the excursion.

At the meeting of the North Shore Horticultural Society, Manchester, Mass., July 17, the matter of incorporation was discussed and an informal vote was unanimous in its favor. W. Till, J. Baker, A. E. Parsons, Herbert Shaw and Joseph Clarke were appointed to present the matter to the absent members and action will be taken later.

#### COMING EVENTS.

Horticultural Society, Tarrytown, N. Y., picnic at Rye Beach, August 4.

Minneapolis, Minn., American Association of Park Superintendents, August 11, 12 and 13.

Niagara Falls, N. Y., Society of American Florists, August 15-18.

Niagara Falls, Ont., Canadian Horticultural Association, August 19, 20 and 21.

Sheboygan Falls, Wis., State Horticultural Society, August 26 and 27.

New York, N. Y., Playgrounds Congress, September 3-12.

New York, N. Y., American Institute of New York, exhibition, September 22, 23 and 24. Berkeley Lyceum Building.

Hartford, Conn., Connecticut Horticultural Society, fall show, September 23; chrysanthemum show, November 3, 4 and 5, Unity Hall.

Dear Sir:—

Please discontinue my Rose ad.; sold out. When again I have something to sell to the trade will certainly use your paper as a medium.

Thanking you,

Yours truly,

JAS. J. CURRAN.

Salem, Va., July 27, 1908.

## During Recess

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual club picnic which so many have been looking forward to came off as scheduled, on July 29, at the beautiful Pine Banks Park in Malden, Mass. The weather was perfect and the attendance large, the only regrettable incident being that James Wheeler received a severe blow in the eye from a batted ball while he was serving at first base. In spite of this, he managed to put the striker out, which was some consolation for the swollen and discolored optic he will have to carry for a few days. The ball game was won by the private gardeners by a score of 29 against 13 for the commercial men. The boy's ball game was won by the Westwood team, 8 to 3. The tug-of-war was won by the private gardeners under Capt. Duncan Finlayson. Winners in other events were in order as follows: 100-yard race, boys under 15, first, T. Westwood; second, R. Rust; sack race, W. J. Collins, W. Martin; novelty contest, Mrs. Rogean, Mrs. Craig, Mrs. Flood; fat men, W. R. Nicholson, D. Iliffe; 100-yard dash, W. S. Grassie, J. W. Lalley, T. S. Brown, A. E. Walsh; 3-legged, boys, W. Westwood and F. Hargreaves, J. Sisson and T. Westwood; 75 yards, girls under 18, Eliz. Reed, Uno Bar-teum; 75 yards, girls under 16, Harriett Collins, Lilian Campbell; 50 yards, girls under 12, Edith Iliffe, Margaret Iliffe; half-mile, W. S. Grassie, T. S. Brown, David Barnes; 75 yards, boys under 12, T. Iliffe, Theo. Palmer; 3-legged, men, Collins and Reed, Thurston and Welch; running broad jump, W. J. Collins, 16 ft. 2 in.; J. W. Lalley, T. S. Brown; putting the shot, John Reid, W. J. Collins; potato race, Mrs. H. F. Wood, Mrs. J. F. Flood, Mrs. E. J. Rogean; consolation, Edw. Rose, W. Iliffe, H. Coles.

### LAKE GENEVA GARDENERS' AND FOREMEN'S ASSOCIATION (WISCONSIN).

The annual picnic of this association was held on July 26, a trip around Lake Geneva on a chartered boat being the day's feature. Calls were made at the following places, whose grounds reach to the foot of the lake: J. J. Mitchell's estate, where the visitors were escorted about by Supt. A. J. Smith, and were particularly interested in the carpet bedding, lily pond and the sub-tropical bedding around the house which is called the salon court, this building being the salon building of the World's Fair at Chicago; Miss Kate Jones', where J. Sobbe did the honors; R. T. Crane's, where the president of the society, Axel Johnson, is in charge. Noticeable here were the pot-grown fruit trees and houses of grapes, Black Hamburg and Queen Alexandra being favorites. The next call was at the Seitz estate, Mr. Bartholomae and Mr. Johnson taking charge of the party, followed by a call at the famous breeding ground of the Leiter estate, Supt. Simmons being the host. On the return

trip the gardeners were dropped off at their respective destinations.

The society is in a prosperous condition, and the members know how to work as well as play.

### DETROIT FLORIST CLUB.

About one hundred members of the Detroit Florists' Club enjoyed a day's outing at Bois Blanc, sailing on the pleasure boat, Columbia. Dancing and swimming kept young and old amused until the elaborate sporting program called everybody's attention.

Unforeseen additions to the Detroit Cut Flower team strengthened that team unexpectedly, and for the first time this season the Michigan Cut Flower aggregation went down to defeat with a score of 8-3.

The fat men's race was won by Fred Becker, married women's race by Mrs. H. Pierce, single women's race by O. Knope, tug of war by East Side florists, broad jump by Hugh Watson, 100-yard dash by Martin Alezack, 3-legged race by Wm. Brown and Ed. Beard, boys under 16, Howard Knope, girls under 16, Mamie Carey, boys under 10, Howard Knope, girls under 10, Marion Bloy.

### INDIANAPOLIS FLORIST CLUB.

A most enjoyable time was had at the picnic of the Indianapolis Florist Club at Germanic Park, July 23rd. About 150 were present, for whom foot races, bowling, etc., were provided. The feature of the afternoon was the ball game between the South Side and the North Side florists, which resulted in favor of the former with a score of 11 to 10. A box of cigars was distributed among the winners. The umpires were John Elsnor and John Hartje; committee of arrangements, H. Piel, Sidney Smith, Ernest Rieman and Theo. Woerner.

### OMAHA (NEB.) FLORIST CLUB.

The annual picnic of the club was held at Lake Manawa, Ia., July 23. There was a large gathering; the weather was fine and hot and there was no time lost in seeking the shady nooks and running brooks. Foot races, bowling and numerous amusements were indulged in until six o'clock when lunch was served, after which a boat ride across the lake was taken to the beach where some enjoyed bathing and others dancing until late in the evening. The whole affair was the best the club ever had.

Today, Saturday, August 1, the New York Cut Flower Exchange members and their friends are enjoying a clam bake at Wetzel's Point Grove.

The Florist and Horticultural Society of Birmingham, Ala., held their annual outing and barbecue at West Lake, on July 22.

Corfu, N. Y., July 20, 1908.

HORTICULTURE Publishing Co., Boston.

Dear Sir:—Your paper brought even more answers this year and I hope you will draw a still larger trade for me next year. I even received an answer from Havana, Cuba.

Yours truly,

W. EHMANN.

## Roses from a Retailer's View

BY. J. F. SULLIVAN.

The First Installment of This Paper was Published in Our Issue of April 11, 1908.

Retailers view with pleasurable gratitude the powerful agency of the flower shows in the development of the rose, and the maintenance of its popularity. In the early days of the rise and progress of this flower industrially speaking, the retailers were more conspicuous for their zeal in using these shows as mediums to strengthen their individual work in behalf of the Rose than they are at the present day, and the retailers are forced to admit the increasingly active participation in these events by the enterprising rose growers, and gratefully acknowledge the great good they are doing of a most permanent character.

### Novelties Called For.

At the same time the retailers deplore the seeming indifference of many growers in the important matter of providing them with more of the novelties in roses, the necessity for which is most apparent. So pronounced and general is this interest, and indeed eagerness of the rose patrons to satisfy their delights in new varieties, that I venture to say that were some of the once favorite roses that are now relegated almost to oblivion, and which the so called up-to-date grower of these times would disdain to grow, resurrected, they would find a ready market and many warm appreciative friends among rose enthusiasts. As an example I might cite the case of old Bon Silene which is now grown in some quarters and is meeting with an encouraging demand. And in considering the adoption of varieties to meet this changing taste of the people, it is well to remember, that it is not size alone that constitutes the chief element in a beautiful and most acceptable rose, as is clearly and constantly shown by even the most fastidious patrons of the retail stores while making their selection. The public are craving for novelty—something different from the monotonous few varieties that greet them on their recurring visits to the floral store. Any of the older varieties are sufficiently attractive to the casual buyer, but the steady patrons who are our most valuable ones, must be shown something new to hold their continued and increasing interest in our chief commodity. As an evidence of this tendency on the part of a large portion of the flower lovers, for variety and novelties, witness the increasing interest shown by them the last two or three years in the dainty Pompon and Anemone chrysanthemums, and often by identically the same persons who formerly sought the largest specimens of that flower at the time obtainable. Even the now commonly grown Crimson Rambler, is frequently used in most important social functions for its decorative effect in preference to the conceded more beautiful varieties, simply because, for the time being, this

rose carried with it the element of novelty.

If rose growers who are devoted to the production of cut blooms alone believe, as they evidently do, that a list of a half dozen varieties of the same embracing merely the primary colors, will, even if ever so well grown and beautiful, satisfy the exacting taste and aesthetic inclination of the flower loving public, I would ask how can they reconcile such a theory with the most palpable contradiction of it when we consider the marvelous expansion of the rose plant industry as shown by the firms issuing catalogues. Many of these will tell you that they enjoy the continuous patronage of their old customers chiefly by the latter's intense interest in the newer varieties of roses as they are annually offered.

### Growers Must Take Initiative.

But the experimenting must be the burden, if we may call it, of the growers. They must take the initiative steps. The retailers, zealous as they are, cannot offer to the public a variety having only an imaginary existence or merely prospective value. To the timid but perhaps well meaning grower I would say, try out the new varieties giving promise of a good future; give them a fair and honest trial without prejudice, not as we too frequently see growers half heartedly assigning the most unfavorable spot in their greenhouse to a few dozen plants of a novelty and thereafter being daily disturbed with suspicions that the stranger among the pet varieties is only another fake and after a brief experience seeming only too willing to denounce it. As an illustration of the respective attitudes of the retailers and many growers I will cite the case of the Killarney rose, a variety the superior merits of which are now universally conceded. Witness its struggle for the recognition deserved.

### Killarney's Struggle.

Soon after the Killarney's introduction in this country about nine years ago, a few growers experimented with it in a limited way. The keen, well trained eyes of the retailers who by chance came into possession of the cut blooms recognized instinctively their rare beauty and prospective value and true to the enterprising methods that had already gained for them a big rose trade, they soon acquainted their customers with the distinctive finished beauty of the novelty, the supply of which was as yet limited. The increasing popularity of this variety and the consequent demand for it kept much in advance of the supply, which fortunately improved rapidly in the hands of but a few growers. Retailers everywhere urged more growers to plant it. The latter, nevertheless were distrustful, and persistently refused to give it a fair trial and in this case, as in many others totally ignored the advice of the man behind the counter. One grower would say that it was too short stemmed, another called it a cropper, and

another thought it a shy bloomer. A few wise ones thought that we had too many pink varieties, but in the meantime a few real wise ones—growers and retailers alike—were doing a big business in Killarney roses and incidentally advancing the popularity of the Queen of Flowers and aiding floriculture generally.

### Needs of the Summer Trade.

The grower's indifference to the constant pleadings of the retailers to awaken to the importance of growing varieties that would be particularly available in the warm summer season, has delayed inexcusably the full development of the lucrative trade for both grower and dealer that is attainable during this period. The present growers cannot justify their lethargy in the past in this respect by the absence in commerce, as they allege, of such varieties as will by their productiveness, color and quality commend them for the purpose named.

The retailers often wonder when contemplating the indisputably proud and exclusive position the rose holds in the hearts and minds of the people—what would be the extent of the commercial importance and increased popularity of the Queen of Flowers were it not for its present prohibitory price to the masses, which operates to its disadvantage, commercially speaking. With that barrier removed appear to them visions of acres of glass being annually added to the existing large area now devoted to its culture, and the additions of thousands of florists engaged in this healthful and profitable industry, and viewing the vast strides made by hybridizers in recent years, may we not reasonably expect that a type of roses can yet be brought out which in addition to the quality of the flowers will also be sufficiently productive to allow them to be sold at a price that will place them in the hands of the masses, and their popularity thus extended to the full gratification of every lover of the rose. And this blessing may be the same process be extended to the multitude of homes where out door culture of the rose is possible were the suitable varieties available.

### Advertise.

The exploitation of our wares being essentially a commodity of luxury, calls for our very best efforts to impress the public with their beauty, and the multiplicity of their uses. We must show our finest, and encourage the admiration and consequent use of them. We must advertise—the day is upon us to employ "printers ink;" our stores and stock must be made familiar with the people; we must acquaint the daily press with the current news concerning the rose—its development; its beauty and increasing popularity, and indeed it is a sad truth we are forced to admit, that of all the matter recently appearing in the daily press and monthly periodicals, columns, yes pages of it, relating to the rose either culturally or descriptive and eulogistic of it as the Queen of

Flowers, very little if any of it emanates from the great army of florists whose interests are so materially enhanced with such publicity, which in other words is real advertising, without any cost to the negligent beneficiaries. And if the retailers would maintain their coveted position as the leaders in popularizing the rose in the future as in the past, they cannot ignore this powerful assisting agency so universally available.

The identification of florists with the Civic Improvement Societies now everywhere so popular and aggressive in their work, is another means by which our business may be greatly helped. All this missionary work must be carried on in the future as in the past by the retailer and even with more energy than formerly, for the grower, broadly speaking, is not known to the public or its quota of flower buyers, except the growers of Chicago and vicinity who seem to be as successful in exploiting their work through the daily press as they are in carrying it on under their immense areas of glass. The retailer has an established identity. He is in the eyes of the people and to them is a real fountain of floricultural knowledge.

#### American Beauty's Limitations.

Society has as the result of a combination of circumstances aided by the florists themselves forced the American Beauty to a position of prominence that seems at times to discourage the hybridizer in his endeavor to produce a successful rival to that famous variety, but, alas! as every retailer knows, that variety at times is anything but a real beauty, but having been wisely christened, its celebrated name often saves it from the condemnation it too frequently deserves. Originators need not fear for a place in this country for their meritorious productions even if they fall far short of the size of the popular American Beauty. Size alone does not always commend a rose—length and strength of stem with nice foliage supporting a flower beautifully distinct in color and form, will never suffer materially in comparison with its companion of larger size, coarse texture and varying shades of unattractive colors. We shall say nothing of "bull heads" that in a measure serve to disfigure the whole rose family.

#### The Beauty's Rivals.

Personally I should prefer to see half of the glass at present devoted to American Beauty given to a few of our other leading sorts and a further extension of our present list of forcing varieties to include those particularly reliable for summer blooming, and in this position I fully realize that I am in danger of standing almost alone. But it is a well known fact that no longer are retailers embarrassed when they are unable to answer the call of the critical rose customer for American Beauty if they are prepared to offer as a substitute either that marvelously distinct and strikingly beautiful rose Richmond or its worthy and popular companion Killarney, and indeed these are now often preferred to Beauty irrespective of the cost. Even from Classic Boston comes the statement in a trade report as recent as last week that "The demand for Beauties is not active, many people

#### THE WITTBOLD CEMENT BENCH.



Our illustration shows the construction of the Wittbold cement bench. In these days of permanent building and the elimination of everything in material liable to decay, greenhouse owners are having their interests well cared for by the ingenious and inventive minds in and out of the profession. As a practical greenhouse

now preferring Richmonds and Killarney." And when we reflect upon the dismal failures attending the attempts of some growers with Beauties we are moved to pity, and regret that the same glass and efforts were not devoted to other varieties which would be most certain to yield better, if not entirely satisfactorily results.

In conclusion allow me to say to those of us who are engaged in various ways in advancing the interests of the rose, and who at times feel the encroachment of its reputed rival—the carnation—supported by its aggressive Society, remember, that we too have a Society, devoted to the "Queen of Flowers" and being faithful in our efforts in its ranks and working along lines of its noble aims, and prompted by its suggestions, we shall maintain the rose by its glorious ascendancy to where its unrivaled beauty and adaptability to all phases of decorative adornment justly entitle it, and after having accomplished so much in advancing its popularity, we shall still persevere in its behalf until we have achieved the full realization of our cherished desire and ambition "A Rose for every Home, a Bush for every Garden."

#### ADVERTISING BRINGS BUSINESS.

Gentlemen,—Our original instructions to you were to continue our ad. for three (3) months, which period we think expired in June, but as we have had considerable inquiry as a result of our ad. we have concluded to continue same, and you may do so until advised to the contrary.

Yours very truly,  
BOSTROM-BRADY MFG. CO.  
Atlanta, Ga., July 22, 1908.

man and plant grower, Mr. Wittbold is in a position to know what constitutes an improvement in bench construction and the appreciative commendations that have come to us are no doubt well founded. E. H. Hunt of Chicago is Mr. Wittbold's representative in introducing the cement bench, and a line to him will bring forth full information concerning it.

#### GREENHOUSES BUILDING OR CONTEMPLATED.

Davenport, Ia.—Chas. Hummel, additions.  
Chicago, Ill.—Anton Then, two rose houses.  
Washingtonville, O.—J. H. Cox, additions.  
Rock Island, Ill.—H. Gaethje, two houses.  
San Francisco, Cal.—N. Arminino, additions.  
Detroit, Mich.—Harry Smith, range of houses.  
Burlingame, Cal.—E. W. McLellan, two houses.  
Fostoria, O.—Fostoria Floral Co., range of houses.  
Goshen, Ind.—Colonial Flower Shop, one house, 29x50.  
Peoria, Ill.—Frank Jerabek, two houses, each 37x50.  
St. Louis, Mo.—Connon Floral Co., rose house, 25x150.  
Owatonna, Minn.—Clinton Falls Nursery Co., two rose houses.  
New Bedford, Mass.—R. H. Woodhouse, additions and improvements.

#### LIST OF PATENTS.

892,627 Walking Hand-Cultivator. John E. Hosmer, Silverton, Ore.  
892,794 Plant Protector. John A. Bryne, Red Springs, N. C.  
893,735 Hay, Straw, or like Curving Knife. Richard Jones, Pen-na-na-mawr, England.  
893,798 Motor-Plow. Corda A. Hart, Danville, Ill.  
893,799 Combination Plow and Harrow. Ephraim J. Steele, North Braddock, Pa.



## EXPOSITION AT GAND, HOLLAND.

Revue Horticole gives a very interesting description of the International Exposition at Gand, Holland, from which we extract the following notes on novelties shown, the translation being by Mr. G. Bleicken.

Among the plant novelties of particular interest figuring at the recent International Exposition of Horticulture, at Gand Holland, was a remarkable collection from Sander & Sons. They exhibited: *Anthurium Sanderi*, a superb plant of Central American origin, where it was recently found by Mr. Forget, who named it *Magnificum*. The leaves are about a yard long and 18 inches broad, on a three-foot petiole deep green color with silver veins, the under side being pale green. *Anthurium Laucheanum* is a very curious and beautiful variety, native in Columbia, and called by some, *Splendidum*. *Cocos nucifera aurea*: Leaves golden yellow. *Bromelia tricolor*: Leaves about two feet long and two to three inches wide, of green color with wide margins of pink in the young foliage, changing to yellow in the older foliage. *Caladium Centenaire*: This is a native of Brazil, and has very large foliage; the petals dark purple and the blade pink with deeper red veins. *Croton Fred Sander*: This *Croton* has three-lobed leaves, the middle lobe being much larger than the sides. Golden yellow with margins of deep green principally on the extreme ends of the lobes. *Encephalartos Woodi*: This novelty comes from Zululand. The plant has a trunk about two feet in height and carries about twenty leaves, which measure three to four and a half feet. *Pereskia Godseffiana*: This plant comes from Queensland, but is no doubt a variety of *P. aculcata* of the Antilles. It is interesting on account of the foliage, which is equally striped with yellow, with more or less tints of red changing into green as the plant grows older. *Philodendron Ilsemani*: A native of Brazil, with oblong foliage, deep green color, and striped with light yellow, tinted pink around the edge. *Penanga Micholitze*: An elegant little native of Sumatra. Leaves about a yard long, deep green spotted with yellow in the older plants, but in the younger of a more pink tint. *Ptychorhaphis Sibertiana*: A native of the Malay Islands, with pinnate foliage of a metallic color when young, changing later into deep green. *Ficus Australis variegata*: With green and white foliage. *Nephrodium gracillimum*: A variety of *N. decompositum* of Australia.

M. L. de Vilmorin had a lot of shrubs and herbaceous plants from China, all recent introductions, some of them not yet identified. We cite a few: *Berberis sanguinea* and *Yunnanensis*; *Allantus Vilmoriniana*; *Cornus foliolosa*; *Corylus tibetica*; *Cotoneaster adpressa*; *C. angustifolia*; *C. Francheti*; *C. Moupinensis*; *Davidia involucreata*; *Decaisnea Fargesii*; *Deutzia Vilmoriniae*; *Ligustrum Delavayanum*; *Lonicera*, several species; *Philadelphus sericanthus*; *Prunus canescens*; *Rhododendron Annae* and *Chartophyllum*; *Ribes Vilmorini*; *Rosa*, several species; *Siphosmanthus Delavayi*. Among herbaceous plants: *Aconitum volubile* and *latisectum*; *Corydalis Cheilanthesifolia* and *tomentella*; *Hypericum Lysimachoides*; *Lilium Sutchuenense*; *Thladiantha Oliveri*, etc.

H. Correvon, from Genoa, presented under the name of *Omphalodes floraniensis*, a hybrid obtained by him, a cross out of *O. Lucilliae* and *nitida*.

J. C. Schmidt, Erfurt, Germany, presented gloxinias with reddish foliage and cyclamens with broad fringed petals.

Mr. Van Tuburgen, of Haarlem, Holland, exhibited *Tulipa Fosteriana* from Central Asia. The flower is a brilliant red, the basis of the divisions being yellow. This tulip resembles very much *T. Oculis Soils*, but it has much larger flowers.

Jacob Mackoy & Co. showed a very pretty maranta from Brazil, designated by the name of *M. Glosoni*. The leaves are striped pale yellow and deep green.

A lot of plants sent out since 1903 was exhibited by M. L. De Smet-Duvivier. This included a *Begonia* from Brazil resembling *Begonia semperflorens*, but with oblong foliage lightly punctated with white and the flowers white; *Philodendron Duvivieri* with large deep lobes; *Phormium atropurpureum nanum*; a hybrid *anthurium* between *A. Veitchi* and *Andreamum album*. *Cyrostachys Renda*; var. *Duvivieriana*; *Sansevieria Laurentii*; *S. Guineensis*; *Nephrolepis Amerpohli*; *Maranta insignis*; *Ficus Dryepondtiana*; etc.

Mr. R. Pinot exhibited a very interesting *Begonia* from Brazil. It belongs to the *Begonia Rex* variety and the leaves are peltated pale green in color, the veins showing white and bright.

## LIBRARY NOTES.

Any of the books mentioned in Mr. Payne's reviews can be supplied at quoted price from the office of HORTICULTURE.

"London Parks and Gardens," by the Hon. Mrs. Evelyn Cecil (Alicia Amherst). This very handsome volume deals with a subject that is of infinite interest to many lovers of horticulture and more especially so to those occupied with the difficulties of town gardening. Many American visitors to London must have admired the flower gardening in the leading London parks where grand displays are often made throughout the year. But the book does not deal wholly with the gardening aspects of our London parks, for it includes the historical and other features of literary interest relating to them. "London Parks and Gardens," is turned out by the publishers in the very choicest style. It is a royal quarto in size, nicely printed, tastefully bound and gilt lettered, and has a series of 25 full page colored illustrations after drawings by Lady Victoria Manners. There are also other illustrations in black and white. The Hon. Mrs. Evelyn Cecil's book will assuredly find a place on the shelves of every library, public or private, where books on London are kept. It is a mine of information to which many will have occasion to refer. We have perused it with pleasure and although we have lived for over half a century in the great city we have learnt more from a perusal of its pages in an hour or two than we could have otherwise acquired in a lifelong residence when our daily duties are considered. The price of the book is \$5.25, plus carriage.

The Summer Garden of Pleasure, by Mrs. Stephen Batson. A large octavo, well printed on old-fashioned paper, with numerous illustrations in color, this new book is well worthy of taking rank by the side of such handsome books as the Parks and Gardens of London. The text is a happy blending of the cultural, the literary and the artistic. There is much that will help the enthusiastic lover of outdoor garden plants to embellish his borders with showy and effective subjects, and some of the pictures might well be taken as models of floral art to be copied in their entirety. We like the book very much, and it will be the companion of many a quiet hour when thinking out color schemes for our perennial border. Price, \$4.00.

A Practical Guide to School, Cottage and Allotment Gardening, by John Weathers. This is a most commendous little handbook, brimful of matter relating to the subjects mentioned in the title. A neatly gotten up volume, octavo in size of 248 pages, bound in cloth cover, it is at once a cheap and useful volume for the owner of small gardens or plots of ground cultivated or allotments. A useful book and one that will serve its purpose well. A few line engravings illustrate the text. Price, \$1.00.

Le Comte Oswald de Kerchove de Denterghem, by Albert Centerick. A very interesting and well gotten up small quarto devoted to the life and work of the late president of the Royal Agricultural and Botanical Society of Ghent. A distinguished lover of horticulture and a writer of no little repute, the Count was one who always offered the greatest hospitality and the warmest of welcomes to like-minded visitors to the famous Ghent shows. M. Centerick, the secretary of the Ghent Society, has evidently done this book as a labor of love and of regard for the man whose loss was universally deplored at the time of his decease. There are several interesting pictures that adorn the pages of the book, not the least important of which is a portrait of the Count de Kerchove after the painting by M. Lefebvre. Much information concerning the rise and progress of the society and its great exhibitions is given. In the conclusion we notice a picture of the statue erected to the count's memory by public subscription, a list of the founders of the society, a list of the plants shown at the first exhibition in 1809, lists of various officers and also of the various works written by the Count. There is also a list of the International Committee for raising the funds for the monument and a list of the subscribers. No price is given. The book was presented to members of the jury at the recent Ghent Quinquennial and to members of the International Committee.

Dahlias and Their Cultivation, by J. B. Wroe. The writer deals with the dahlia firstly as an exhibition flower, then as a flower for garden decoration in both branches of culture, the fullest details being given. There are very few recent treatises on dahlia culture in England, and the book should meet with a ready acceptance by the growers, of whom there are many in this

country, especially since the advent of the cactus varieties. We like the neat little typical pictures of the various sections, which is a happy idea on the part of the author, for florists' distinctions in flowers are not always well conveyed in verbal descriptions. Selected lists of varieties for show and for the garden are supplied. As a cultural manual it is a useful little book, but Mr. Wroe in his opening chapter, entitled the evolution of the dahlia, somewhat startles us when he says in his first few lines, "Information available for the history of the dahlia is not as plentiful as we could wish." If Mr. Wroe knew the literary aspect of the dahlia as well as he knows the cultural he would hardly have started off with this rather amazing statement. There is probably as much information available for the history of the dahlia as there is for any other flower, if you know where to find it. Price 50 cents.

Essais sur l'Histoire de Quelques Fleurs d'Ornement. L'Oeillet, by Le Texnier. Here we have an author who unlike the preceding has nothing to say about culture but everything about history. M. Le Texnier is writing a series of books on the history of florists' flowers. The first was rather a bare historical record of the chrysanthemum, the next is that we now notice and is devoted to the carnation and its kindred flowers. This little brochure is in French and consists of 49 pages brimful of historical and literary details relating to the carnation from the earliest times. As a favorite flower it was cultivated in France three centuries ago, and there exists in French horticultural literature quite a number of important treatises beginning from the middle of the 17th century downwards. Some of our modern English authors would do well to consult these old authorities before they start at the work of building up a history of the flower, for its history is a far wider one than is confined to its culture in England. We should have much liked M. Le Texnier to have added a carnation bibliography to his little book which, interesting and valuable as it is from a historical point of view, would have been materially enhanced by this suggested addition. Quite recently we bought in Germany a finely drawn picture of an old carnation grown there in 1628. It is a lifelike study of a rich crimson flower with notched edges and about four inches in diameter. The name of the variety was Gross Roth, and in spite of all our progress today it is evident from this drawing that the old florists knew something about carnation growing. Price 25 cents.

C. HARMAN PAYNE.

## Well

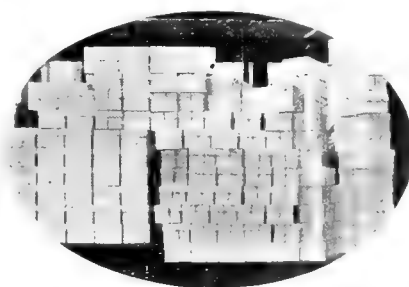
BETWEEN YOU AND ME. What do you think of the Buyers' Directory and Ready Reference Guide of HORTICULTURE? I always look it over before I do any buying

### NORTHERN GROWN COTTON.



For many years, the late superintendent of public grounds of Boston, Mr. William Doogue, used to grow among other economic plants, a few hundred cotton plants. These were pot-grown and started early in the year in the greenhouses and later placed in the Public Garden where they never failed to give great pleasure.

The purpose in growing these plants was that they might be distributed in the fall to the different schools as an object lesson for the pupils. In this Mr. Doogue was never disappointed in results as the hundreds of letters, both from the teachers and children, testified.



How the Cotton is sent to the schools.

The first lot was sent around in boxes, with a number of ripened bolls in each but in each succeeding year entire plants were distributed, a number to each school. Mr. Nelson of the Lowell Textile School wove several pieces of cloth appropriately inscribed from some of the product.

Another attractive feature along these lines was a bed of coffee plants, some in fruit and others in flower with a ground of pineapples in fruit.

### A NORTHERN ENTERPRISE.

The Elmwood Select Nursery of Painesville, Minn., is, I think, the northernmost north of any nursery of importance in our northern states.

Really, it is an outgrowth of the York Select Nursery. It was found, as business opened, that the springs were so much earlier in Nebraska than in Minnesota and the Dakotas that it was necessary to have a branch further north. The enterprise is connected also with the S. Dakota Experiment Station under the care of Prof. N. E. Hansen.

Hansen's Dakota No. 2 strawberry, a cross between Glen Mary and North Dakota Wild, proves hardy without mulching in Manitoba. It is a fruit of promise, too soft to ship yet, quite productive and of tremendous vigor, fighting its way with weeds, heat or cold—the very thing for the farmer who cannot give his strawberry bed the attention it needs. Hansen's Sunbeam Raspberry is a cross between a Manitoba mild red raspberry and Shafer's. It is very hardy and a good bearer. His fourth generation of Northern sand cherries gives good promise also. The Northern type of the Hippophae rhamnoides—the Siberian Buffalo berry—one of the most prolific fruits ever seen on tree or bush, is proving a success.

In the matter of evergreens we found we could not raise the finer sorts in the hot climate of Nebraska, but by going into the hazel brush thickets and poplar groves of that cooler climate and sowing in the leaf mould, Mr. Brown has had phenomenal success, and is raising the pungens, Jack pines and spruces by the hundreds and thousands. White and Black Hill's spruces grow much faster and have a richer color than those grown in Nebraska.

The colors in peonies are richer, and the flowers much finer than in the hotter air further south, and we have by careful experiments in Minnesota and Manitoba demonstrated the fact that the peony is as hardy as peil plant or horseradish, and that all the hardy perennials find a most congenial climate in all those northern regions.

It is a matter of rejoicing that those homes on the bleak prairies can be beautified by the fairest flowers that bloom. We are now sending out perennials to be tested through Manitoba and Alberta, and are beginning to have cheering accounts of their success.

C. S. HARRISON.

York, Neb.

### CATALOGUES RECEIVED.

T. C. Thurlow & Co., West Newbury, Mass.—Select List of Peonies, Iris and Phlox, with cultural directions.

Hammond's Slug Shot Works, Fishkill-on-Hudson, N. Y.—A treatise on the control of bugs and blights, illustrated, and showing how useful slug shot and other remedies are against these pests.

V. Fromhold & Co., Naumburg on Saale, Germany.—Wholesale Price List of Choice Pansy Seeds.

### INCORPORATED.

Crestline Floral Co., Crestline, Ohio; Capital, \$5,000.

Warner Seed Co., Peoria, Ill.; L. F. Warner, president; K. and N. W. Stocker, E. Nuzicker.

# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far the **best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

*Do not fail to see our exhibit at the S. A. F. Convention, Niagara Falls.*

Fine, strong plants, 2¼ inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### OBITUARY.

James Patterson.

James Patterson, landscape gardener, died at his home in Arlington, Mass., on July 25. Mr. Patterson laid out the grounds of the Pratt estate, afterwards under the care of the late David Allan, and now occupied by the Oakley Country Club. He was born in Scotland in 1833 and came to this country about fifty years ago. Besides the Pratt estate, his most extensive work was done on the Summer estate in Jamaica Plain, and the Gray estate in Cambridge. Mr. Patterson is survived by a widow, who has been blind for a number of years.

Mrs. Magdalene Meinz.

Magdalene, wife of Henry Meinz of College Point, N. Y., died on July 12.

Alexander Craw.

Alexander Craw, deputy horticultural commissioner of California for many years, died at Wawona, on June 28.

### NEWS NOTES.

W. H. Schuyler will discontinue his flower store at 531 Van Buren street, Chicago.

H. W. Metz & Co., 252 Ashland boulevard, Chicago, have dissolved partnership. Mr. Metz will continue the business.

Prof. William Trelease of the Missouri Botanical Garden, St. Louis, has issued invitations for the nineteenth annual banquet to gardeners, florists and nurserymen provided for under the will of Henry Shaw, to be given at the Mercantile Club on August 12.

ARRIVED IN SUPERB CONDITION

## CATTLEYA DOWIANA VAR. AUREA

The most gorgeous of all Cattleyas. Also Cattleya Gigas from the Aurea District

**Miltonia Vexillaria and Tricopelia Giganteum**

**JULIUS ROEHRS COMPANY, - - Rutherford, N. Y.**

### ORCHIDS

Arrived in fine condition, *C. Mossiae*, *C. Percivaliana*, *C. Trianae*, *C. labiata*, *C. gigas*, *Sanderiana*, *C. Harrisoniae*, *C. Schroderae*, *C. citrina* Den. *Formosum giganteum*, *D. Wardianum*, *D. Findleyanum*, *Oncidium Varicosum* Rogersii, *O. Tigrinum*, *O. Ornithorhynchum*, *Laelia anceps*. To arrive shortly, *Vanda Coerulea*, *Cattleya Gaspelliana*, *C. Mendellii*, *Phalaenopsis Amabilis*, *P. Schilleriana*.

**CARRILLO & BALDWIN, Secaucus, N. J.**

## ORCHIDS

arrived in superb condition

*Cattleya Trianae*, *C. labiata*, *C. Mossiae*, *Oncidium Varicosum*, *Vanda Coerulea*, *Dendrobium Formosum* and *D. Dalhousieanum*.

**LAGER & HURRELL, Summit, N. J.**

## MEYER'S SILKALINE

Used Everywhere. For Sale by all up-to-date Supply Houses.

DON'T TAKE ANY SUBSTITUTES

**JOHN C. MEYER & CO.**

Mills at **BOSTON OFFICE,**  
Lowell, Mass. 77 SUMMER ST.

## Fine Quality Orchid Peat

25-bbl lots.....\$0. per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmonda roots.

**WM. MATHEWS, - Utica, N. Y.**

## ORCHIDS

Arrived in Grand Condition

**CATTLEYA APETHYSTOGLLOSSA true**  
**CATT. BOWRINGIANA**  
**LAELIA GRANDIS TENEBROSA**  
**ONCIDIUM SARCODES**

Write for Prices

To arrive shortly

*Laelia purpurata*, *Laelia Boothiana* (lobata), *Oncidium varicosum* Rogersii.

**JOSEPH A. MANDA**

191 Valley Road WEST ORANGE, N. J.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
**NEW YORK CITY**

## ORCHIDS

Arrive in good condition *Cattleya Mossiae*, *C. Gaskelliana*, *C. Speciosissima*. In a few days. *C. gigas*, *Sanderiana* and others.

**ORDONEZ BROS., Madison, N. J.**

# FERNS IN FLATS

**Standard Varieties, Full and Well Grown**

**Pteris Mayii**  
 " **Wilsoni**  
 " **Gilberti**  
 " **Hastata**  
 " **Wimsetti**

**Pteris Serrulata**  
 " **Adiantoides**  
 " **Nana Compacta**  
 " **Cretica Variegata**  
 " **Albo-Lineata**

**Cyrtomium Falcatum**  
**Aspidium Tsussimense**  
**Adiantum Cuneatum**  
**Polystichum Setosum**  
**Lomaria Gibba**

**Buy Now Before the Variety You Want is Sold Out**

**Price, \$2.00 per FLAT. Special prices quoted on 20 or more.**  
**Terms, 30 days net. All Flats go by Express.**

Each flat contains about 110 *clumps* which can be divided. Stock is ready for 2½ inch pots.  
 Large cut of varieties offered sent on request. Enclose remittance with small orders.

**McHUTCHISON & CO.**  
**17 Murray St.,** (Desk H) **NEW YORK.**

## PUBLICATIONS RECEIVED.

The French Garden, by C. D. McKay, F. R. H. S.—This little book of sixty-two pages, neatly bound in cloth and with nine full-page interesting half-tone illustrations, seeks to enlighten English market gardeners on the methods pursued by their fellow cultivators across the channel. For long there has been a demand in England for French "Primeurs" because they appeared in the markets at seasons when young vegetables of home production did not exist. The aim of the writer is to show how by the use of hot beds and bell glasses or "cloches" a supply of young vegetables and fresh salads may be grown in England the year round, and the vast sums annually sent to France in payment of such delicacies secured hereafter to the English producer. Mr. McKay's book is far from being a complete manual of the French garden, yet it says enough to stimulate farther inquiry, and we believe its mission in arousing interest in the cultural methods of the French will be successful.

## TUNICA SAXIFRAGA FL. ROSEA PL.

McHutchison & Co., New York, are now distributing for the Royal Tottenham Nurseries, Dedemsvaart, Holland, the new and beautiful hardy perennial *Tunica Saxifraga fl. rosea* pl. This plant resembles a saxifrage of the mossy section, bearing double pink gypsophila-like flowers from May until autumn. It is equally good as a rockery border or pot plant, is a thrifty grower and perfectly hardy.

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
 Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**

Rutland Road and E. 45th St.  
 Tel. 2890 Bedford **BROOKLYN, N.Y.**

## NEP. WHITMANI

¾ in., \$5.00 per 100

## NEP. WHITMANI

3½ in., \$25.00 per 100

## BOSTON FERNS

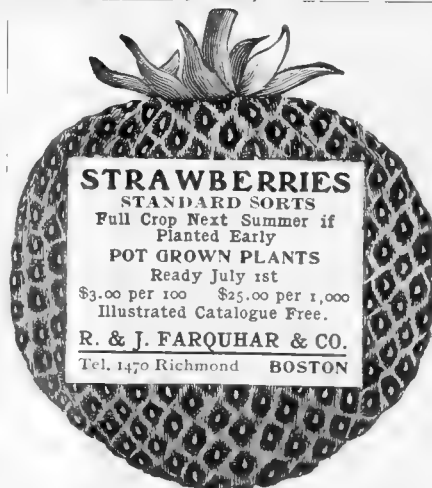
2¼ in., \$3.00 per 100

**H. H. BARROWS & SON Whitman, Mass.**

## THE UBIQUITOUS BROWN TAIL.

We learn from the columns of a contemporary that a host of white moths has visited New York during the past week, and that "in the hope of destroying them before they lay their eggs the park department has resorted to vigorous spraying of the trees where they most abound." We trust the park department of the Metropolis knows better than to spray trees, expecting this to have any effect on flying moths.

Concerning the invasion of brown-tail moths in Halifax, N. S., recently noted in this paper, Halifax papers say that although the moths are greater in numbers than any arrival of pests for some time, the agricultural authorities have little fear of any dangerous infestation, because of the remarkable feature that practically all of the moths are males, an examination of 500 disclosing not a single female.



Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
 FOR FUMIGATING AND DUSTING  
 Dusted on Plants it covers large surface.  
 One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c.; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
**50 Barclay St., New York**

## Seed Trade

Important information concerning California seed crops was given in a recent issue the same being a summary of numerous reports from reliable sources and this information can be relied on as accurately stating conditions at the time it was published. The important fact must not be overlooked however, that most crops may improve or deteriorate materially before harvest.

As to peas, that crop is now practically made and while deterioration is possible there is very little chance for improvement. It must always be borne in mind that no crop is safe until housed, as many excellent crops have been ruined after maturity by unfavorable weather.

It is probable that onion seed has reached a stage where little improvement can be expected, but the crop may yet be heavily damaged by hail, rain or wind. There are few seed crops likely to make much improvement after August 1st, excepting corn and possibly vine seeds, but as already stated there is ample time for damage.

Information to hand recently, shows that corn in the West has made considerable improvement during the past two or three weeks and if killing frosts hold off until the middle of September or later, there is a prospect of a very fair corn crop. The condition of vine seeds is not altogether satisfactory but with favorable weather fair average yields will no doubt be secured.

There seems no doubt about garden beets being on the short side and such varieties as Detroit, Turnip, Crosby's Egyptian, Stinson, Crimson Globe and a few other specialties, will undoubtedly rule higher than for several years past.

In Connecticut the corn crop is looking very well considering the extreme drought which has prevailed throughout the greater part of New England for many weeks past and although no serious damage has yet been noted, rain is very badly needed, for without rain the kernels are generally more or less imperfect. The heavy rains of the past week have undoubtedly done much good and possibly the long drought may have been at last broken, if so, and the improvement noted in the Western crop continues up to harvest, sweet corn will be fairly abundant and prices will not rule much, if any, higher than usual.

## GIGANTIC PANSIES

Can only be produced from the **Giant Strains**. Our **CHALLENGE PANSY** seed contains only the **Giant** self colors, the **Giant Striped** and **Variegated** and the **Giant Blotched**, all carefully mixed in proportion. You could not buy better seed if you paid **\$100 per Ounce**.

## PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{8}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

*We also offer pansy seed in separate colors.*

*Write for special price and catalogue.*

## ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

## C. C. MORSE & CO. 48-56 JACKSON ST., San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

There are reports that the radish seed crop in France will be short, but it is said that the English crop will be above average this year. However, this will not help matters much as those who are accustomed to using the French seed will be reluctant to use the English-grown article except in case of great necessity.

Referring again to peas there is very little doubt that the Canadian crop this year will be a very light one, but it is generally believed that the crop grown on this side of the line will at least be as large as last year and it is earnestly hoped considerably larger.

At the present time it is quite impossible to make estimates and only general conditions can be given, but just as rapidly as the situation develops, the facts will be given in HORTICULTURE.

## BRECK'S SEEDS

For Farmer, Market Gardener and Florist  
New Crop High Grade

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

## Winter-flowering SWEET PEA SEED

All Colors

New crop ready in August next. Ask for list.

A. C. ZVOLANEK

ORIGINATOR.

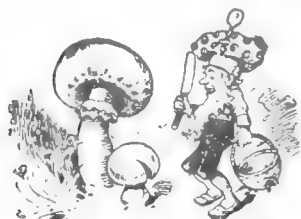
BOUND BROOK, N. J.

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

## DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc.  
ATCO, N. J.



## ANGLO-AMERICAN MUSHROOM SPAWN.

"Made Direct from Spores"

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

ANGLO-AMERICAN SPAWN COMPANY  
Kennett Square, Pa.



# ENGRAVINGS to ILLUSTRATE your CATALOGUES and ADVERTISEMENTS

in ONE or MORE COLORS

(The Plates We Furnish are for Use on a Type Press)

We would call your special attention to our MULTI-COLOR PLATES which are produced direct from the copy which is in one color. Send stamp for circular "How to print our Multi-Color Plates."

## GATCHEL & MANNING

Established  
1889

DESIGNERS

ILLUSTRATORS

ENGRAVERS

for all commercial purposes.

Nos. 27 to 41  
S. 6th Street,

PHILADELPHIA

# Thorburn's Bulbs

ESTABLISHED 1802

New Wholesale Price List for Florists  
now ready.

SEND FOR A COPY.

ASPARAGUS PLUMOSUS ROBUSTUS,  
\$2 00 per 1000 seeds.

Pansy, Carnation, Daisy and all other seeds for florists.  
Cold Storage Lily of the Valley Pips.

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place  
NEW YORK

## Best Quality Fall Bulbs

It is to your advantage to place your order early. Send us a list of your wants and we will quote you rock-bottom prices. Copy of our Florists' Bulb Catalogue will be sent upon request. Catalogues now ready.

### VICK'S SUPERB PANSY SEED

All the best varieties in separate colors

VICK'S SUPERB MIXTURE

the best strain from all the leading named sorts  
1-8 oz. 75c. 1-4 oz. \$1.50 Ounce \$5.00

JAMES VICK'S SONS, Rochester, N. Y.

## PANSY SEED

### Michell's Giant Exhibition

A Giant Strain which we have secured from the leading Pansy specialists in Germany, England and France.

This strain cannot be excelled.

Per Trade Pkt. \$0.50

" 1-8 Oz. .75

" Oz. 5.00

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## SWEET PEAS

### For THANKSGIVING and CHRISTMAS

Boddington's strains have been used by a legion of satisfied customers for years.

EARLIEST FLOWERING, LONGEST STEMS, TRUE TO NAME

	Oz.	¼ lb.	½ lb.	Lb.
BODDINGTON'S SNOWBIRD, by far the best and earliest forcing white.....	20c	75c	\$1.25	\$2.00
BODDINGTON'S CHRISTMAS PINK, the earliest and most profitable pink.....	10c	40c	60c	1.00
BODDINGTON'S CHRISTMAS WHITE, a companion to Christmas Pink, just as free.....	10c	40c	60c	1.00
BODDINGTON'S CANARY, similar to Snowbird in habit, fine yellow.....	30c	\$1.00	1.50	
" FLAMINGO, (New) magnificent scarlet, very early, crop short, offered in packets only, Pkt. 35c; 5 pkts. \$1.50				
FLORENCE DENZER, pure white, similar to Christmas White.....	10c	40c	60c	1.00
WATCHUNG, pure white, height 6 ft.....	20c	75c	1.25	2.00
MRS. ALEXANDER WALLACE, Lavender, the best variety in this color.....	50c	1.50	2.75	5.00
MRS. WM. SIM, Salmon Pink, a most profitable variety.....	50c	1.50	2.75	5.00
MRS. E. WILD, Carmine Red.....	30c	75c	1.25	2.00

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, - NEW YORK CITY

BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

SAN JOSE, - - CALIFORNIA

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## Harrisii and Longiflorum, Freesias

French and California Grown.

ALSO PURITY FREESIAS AND OXALIS.

Now in and Ready for Delivery.

H. E. FISKE SEED CO.

12 Faneuil Hall Sq., BOSTON, MASS.

## CAULIFLOWERS CABBAGE

HJALMAR HARTMANN & CO.,

12 Stormgade,  
COPENHAGEN, DENMARK.

STOKES'

## Standard Pansy Seed

The finest to be had. Trade Packet, 50c; 1-2 oz., \$3.25; Oz., \$6 00. Send for Special Circular.

Get My Prices on

FRENCH & DUTCH BULBS.

When everybody is reducing his plantings perhaps it is a good time for you to pull up a little. Aint it?

STOKES' SEED STORE

219 Market St., Philadelphia

## Pansy Seed

In separate colors—and the finest mixture—embracing every conceivable shade and marking, and largest flowers. Mail card for descriptive price list.

FRANCIS BRILL, HEMPSTEAD, N. Y.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

JUST ARRIVED

LARGE SHIPMENT OF

High-Grade SCOTCH SOOT.

We have the Stott Double Nozzle  
THOMAS J. GREY CO.

32 & 33 So. Market St., BOSTON

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists

### NEW FLOWER STORES.

L. H. Wilkinson, 117 E. MacDonald  
street, Brazil, Ind.

Maple City Floral Co., 27 E. Maumee  
street, Adrian, Mich.

Chester P. Hutchinson, Telegraph  
avenue, Berkeley, Calif.

T. Mosco, Polk and California  
streets, San Francisco, Calif.

Harry Rackham, of Detroit, has  
taken a position with J. A. Valentine,  
Denver, Col.

### STEAMER DEPARTURES

#### Allan.

Tunisian, Montreal-Liverp'l...Aug. 7  
Victorian, Montreal-Liverp'l...Aug. 14

#### American.

St. Paul, N. Y.-S'hampton...Aug. 8  
New York, N. Y.-S'hampton...Aug. 15

#### Atlantic Transport.

Minnetonka, N. Y.-London...Aug. 8  
Mesaba, N. Y.-London...Aug. 15

#### Cunard.

Lusitania, N. Y.-Liverp'l...Aug. 5  
Etruria, N. Y.-Liverp'l...Aug. 8  
Ivernia, Boston-Liverp'l...Aug. 11  
Mauretania, N. Y.-Liverp'l...Aug. 12

#### French Line.

La Savoie, N. Y.-Havre...Aug. 6  
La Bretagne, N. Y.-Havre...Aug. 13

#### Hamburg-American.

Amerika, N. Y.-Hamburg...Aug. 6  
Patricia, N. Y.-Hamburg...Aug. 8

#### Leyland.

Bohemian, Boston-Liverp'l...Aug. 8  
Cestrian, Boston-Liverp'l...Aug. 12

#### North German Lloyd.

Kronpr. Cecilie, N. Y.-Bre'n...Aug. 4  
Kronpr. Wm., N. Y.-Bre'n...Aug. 11  
Kaiser Wm. II., N. Y.-Bre'n...Aug. 18

#### Red Star.

Vaderland, N. Y.-Antwerp...Aug. 8  
Finland, N. Y.-Antwerp...Aug. 15

#### White Star.

Baltic, N. Y.-Liverp'l...Aug. 6  
Teutonic, N. Y.-S'hampton...Aug. 5  
Adriatic, N. Y.-S'hampton...Aug. 12  
Cedric, N. Y.-Liverp'l...Aug. 13  
Cymric, Boston-Liverp'l...Aug. 15

A letter recently received from Lewis  
Henderson, Omaha, Neb., says:  
"There is not much doing in the busi-  
ness line this month; everything is  
quiet, after one of the most prosperous  
spring trades we ever had."

The use of small ferns for jardiniere  
and basket work has increased enor-  
mously of late years and is still grow-  
ing. Fern growing from seed is now  
a specialty with some establishments,  
and there is a well-defined list of  
varieties particularly adapted for flor-  
ists' use because of their tough tex-  
ture and ability to withstand rough  
handling and exposure. We have  
some tempting fern offers in the ad-  
vertising columns of this issue. Look  
them over.

Chicago.

Established in 1857.



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 30th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK  
"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

**JACOB SCHULZ,** 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season.  
delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984.

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

# H. BAYERSDORFER & CO.

*Known to the Trade for the past 30 years as the*

## Representative Florists' Supply House of America

Always first in the market with anything that is new, novel and appropriate.

### WE HAVE PREPARED FOR YOUR NEEDS

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

#### PERSONAL.

Visitor in Omaha: J. F. Wood, Providence, R. I.

Wm. M. Trefenger has taken a position with James Hayes, at Topeka, Kas.

Henry Jacobs, of Peoria, Ill., has changed from J. C. Murray's to D. U. Augspurger & Sons.

Thomas Hooper has accepted the management of the Domoto Bros.' greenhouses at Fruitvale, Cal.

Visitors in Boston: Wm. F. Wight, U. S. Deputy of Agriculture, Washington, D. C.; J. De Buck, College Point, N. Y.

John Isaac, of Sacramento, for many years secretary to the state commissioner of horticulture, has resigned his position.

Park Commissioner James Wilson and Alderman R. C. Vaughan of Toronto, Ont., are in Boston, inspecting the metropolitan and city parks and playgrounds.

William and Alfred Altman, of Manitowoc, Wis., have removed to Ogden, Utah, where they will join their brother Reinhardt in the wholesale flower business.

Visitors to Chicago: Louis Russos, of Madison, Wis.; J. Anderson, of Kenosha Greenhouses, Wis.; Mrs. C. D. Stratton, of Lancaster, Wis.; G. L. Grant and Mrs. Grant, Soquel, Cal.

Richard Eichling, the newly-elected president of the New Orleans Horticultural Society, was the recipient of a handsome dinner set from the Society on the occasion of his recent marriage.

A card from J. F. Huss of Hartford, Conn., who is now visiting his old home in Switzerland, informs us that on July 20 they celebrated the 88th birthday of his mother, who is still in splendid health.

We have just learned of the marriage of Mr. Michael Ford, of Ford Bros., wholesale florists, New York. We do not know the former name of the fortunate Mrs. Ford, but that is now of no consequence.

Chas. R. Panter, who for several years has held the office of secretary of the New Orleans Horticultural Society, has been appointed secretary-treasurer of the Board of Trustees of the Southern University by Governor Sander.

Thomas H. D. Howden, of Whitinsville, Mass, gardener for A. F. Whitin,

sailed on the S. S. Caladonia from New York on July 25 for his old home, Glasgow. He has planned an extensive continental trip.

After a litigation of about eighteen months the second codicil of the will of George Ellwanger, the pioneer nurseryman of Rochester, N. Y., has been denied probate, and in consequence Helen C. and Margaret Ellwanger, contestants and granddaughters of the deceased, will receive about \$250,000 instead of being cut off with a small share.

Mr. Takafusa Shijo, commissioner of forestry and secretary of the department of Agriculture, and Dr. K. Imi-jauchi, of the department of Agriculture, Tokio, Japan, were guests of W. Atlee Burpee & Co., at Fordhook Farms, Doylestown, Pa., last week. These gentlemen are making a tour of observation in behalf of their government.

Philip Breitmeyer's admirable administration of Detroit's park system is apparently fully appreciated by his fellow citizens. We regard him as a most excellent candidate for the office of mayor of the city of Detroit. Ability, affability and upright character and plenty of common sense are among Mr. Breitmeyer's qualifications, and if elected, he will do credit to himself, his city, and the business which he represents.

Horticulturists connected with various state experiment stations are inspecting the fruit orchards and vineyards of Ontario County, New York, and the Keusa Lake region. Included in the party are F. C. Reimer, of North Carolina; C. I. Lewis, of Oregon; R. S. McIntosh, of Alabama; J. P. Stewart, of Pennsylvania; R. E. Vaughan, of Vermont; A. E. Stene, of Rhode Island; R. A. Emerson, of Nebraska; W. S. Brown, of Indiana; M. G. Kains, of New York City; A. P. Hendrick and Dr. W. H. Jordan, of Geneva, N. Y.

The following Chicagoans are spending their vacations as indicated: Mr. and Mrs. August Poehlmann are in Wisconsin. O. W. Frese is in Wisconsin. George Poehlmann of Poehlmann Bros. has returned from Wisconsin. Peter Miller, with Kennicott Bros., has returned from Indianapolis. M. Frink will spend his vacation at Lake Geneva. E. Pieser, of Kennicott Bros., and Mrs. Pieser will take an extended trip to the Adirondacks. Mr. and Mrs. Anton Then will pass their vacation with friends on a fruit farm

at St. Joseph, Mich. Lieut. J. Edwin Hauswirth will return this week with his cavalry company from their annual outing.

#### HANDY HANDBOOK.

Handy Hand-Book of Greenhouse Material, just issued by the Lord & Burnham Company, is a very complete illustrated catalogue of every device and fitting, large and small, which go to make up the modern greenhouse, piping, heating and ventilating included, as well as benches, gratings, sash, and all the tools needed for repairs at short notice. The materials are all classified, grouped and indexed for ready reference. It is a handy hand-book, in fact. Any reader of HORTICULTURE can have a copy by writing to Lord & Burnham Company. Accompanying it is a hook enclosed in a small envelope, on which to hang the book.

#### NEWS NOTES.

A fire early in the morning of July 27 caused a loss of about \$150 to the greenhouse of James S. Powers, Lancaster, N. H.

The safe was robbed last Friday at George Saltford's, 43 W. 28th street, New York. We have a poor opinion of the burglar who would waste his time on a florist's safe in mid-summer.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in  
**BOSTON**

and all  
**NEW ENGLAND POINTS**  
**THOS. F. CALVIN**  
124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**  
2 Beacon St., Boston.

Fine Design Work a Specialty.

**AMERICAN BEAUTIES**

New Crop, \$10 to \$25 per 100

**ASTERS, Fine Assortment**

\$1.50 and \$2.00 per 100

**BRONZE GALAX**

\$7.50 per Case

**The Leo Niessen Company**

1209 Arch St., Philadelphia, Pa.

After June 27th Store closes 6 p. m.

**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.**ASTERS**

The second early crop is excellent quality

**W. E. McKISSICK** WHOLESALE  
FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to  
advantage.**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

☞ The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**Rice Brothers**

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens — WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

**E. A. BEAVEN****Southern Wild Smilax,  
Log Mosses,**

Natural and Perpetuated — at Wholesale

**EVERGREEN, ALABAMA.****TOWER HOTEL**

Niagara Falls, N. Y.

Is soliciting your patronage during the  
S. A. F. Convention.

Very truly yours,

**M. J. HOENIG, Prop.****ADVERTISE**

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

**ADVERTISE****CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers**PETER REINBERG**  
WHOLESALE**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

**AMERICAN BEAUTY** and all other  
**ROSES****LILY OF THE VALLEY, CARNATIONS****WELCH BROS., 226 Devonshire St., Boston, Mass.****WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100  
TO DEALERS ONLY**

	CHICAGO July 28	TWIN CITIES July 27	PHILA. July 27	BOSTON July 30
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	5.00 to 25.00
“ “ Extra.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00
“ “ No. 1.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	12.50 to 10.00
“ “ Lower grades.....	5.00 to 10.00	6.00 to 8.00	4.00 to 8.00	1.00 to 4.00
Bride, 'Maid, Fancy & Special....	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00	3.00 to 4.00
“ “ Lower grades.....	3.00 to 5.00	3.00 to 6.00	2.00 to 3.00	.25 to 1.00
Killarney, Richmond, Fan. & Sp....	6.00 to 8.00	6.00 to 8.00	5.00 to 6.00	4.00 to 6.00
“ “ Lower grades.....	3.00 to 5.00	3.00 to 6.00	2.00 to 4.00	.50 to 4.00
Kaiserin, Carnot.....	5.00 to 8.00	3.00 to 8.00	2.00 to 6.00	.50 to 6.00
Golden Gate, Chitenay etc.....	4.00 to 6.00	3.00 to 7.00	2.00 to 5.00	.50 to 4.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	1.50 to 2.00	2.00 to 2.50	..... to .....	1.00 to 2.00
Ordinary.....	..... to 1.00	1.00 to 2.00	1.00 to 2.00	.25 to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	40.00 to 50.00	..... to 60.00	40.00 to 50.00
Lilies.....	..... to .....	8.00 to 10.00	10.00 to 12.50	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Asters.....	1.00 to 2.00	1.00 to 2.00	.50 to 2.00	.50 to 1.00
Gladioli.....	4.00 to 5.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Sweet Peas.....	.25 to .50	.25 to .50	.50 to .75	.10 to .25
Adiantum.....	.75 to 1.00	1.00 to 1.50	1.00 to .....	1.00 to 1.50
Smilax.....	6.00 to 10.00	10.00 to 15.00	15.00 to 20.00	10.00 to 18.00
Asparagus Plumosus, strings.....	35.00 to 50.00	35.00 to 50.00	..... to 50.00	25.00 to 50.00
“ “ & Spren. (100 bchs.)	25.00 to 35.00	35.00 to 50.00	..... to 50.00	15.00 to 50.00

**J.A. BUDLONG**37-39 Randolph Street, CHICAGO.  
Roses and Carnations A Specialty...**Wholesale Grower of CUT FLOWERS****ROBERT J. DYSART,****Public Accountant and Auditor**Simple methods of correct accounting  
especially adapted for florists' use.**Books Balanced and Adjusted**

Merchants Bank Building

**28 STATE ST., BOSTON**

Telephone, Main 58.

**J. B. Murdoch & Co.**

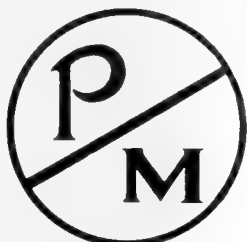
Wholesale Florists

**FLORISTS' SUPPLIES****714 Penn Ave., PITTSBURG, PA.**

Long Distance Phone 1435 Court.

**TO BUYERS**

Patronize our advertisers, they will treat you right



QUALITY

# FLORISTS' HOSE

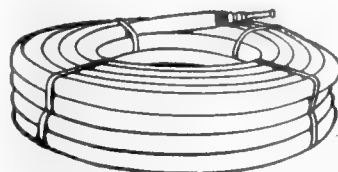
BULLDOG BRAND

16c. per foot.

P. M. QUALITY BRAND

16c. per foot.

Try a 100 of the "P. M." Many consider this, our own special brand, superior to the well-known "Bull Dog."



## S. S. PENNOCK-MEEHAN CO., "THE" WHOLESALE FLORISTS OF PHILA.

1608 to 1620 Ludlow Street—Store Opens 7.30 A. M., Closes 6 P. M.

## FLOWER MARKET REPORTS

**BOSTON** The character of stock coming into the market is now undergoing a change.

One sees scarcely any carnations, and many outdoor flowers characteristic of the early summer are no longer in evidence. Asters, purple, pink and white, of fairly good quality, are taking the place of the departed things and will soon occupy the front seat in the public eye. Roses are still very diminutive in size, but they are clean and healthy looking as a rule, and growers are evidently giving them careful attention. Prices are not yet advanced any, but there is a perceptible freshening up of the demand from various points, and it now looks as though the worst was over.

**CHICAGO** The cut flower market is holding its own; compared with last July it even has its encouraging features. The quality of the carnations is excellent, color and size being well maintained. Roses are sufficient to supply the demand and American Beauties are showing longer stems. The market is full of lilies of all kinds. Auratum and longiflorum bring good prices; there seems to be less call for album and rubrum and really good stock sells slowly. Asters show longer stems and consequently sell better. Sweet peas are feeling the hot, dry weather and many come in in poor condition. Some of the trade are finding that their books show an increase in July sales over last year, while June sales were below.

**INDIANAPOLIS** There is not a great deal of life in the business just now, though the receipts in some lines are fairly heavy, particularly American Beauties, lilies and gladioli. The roses average an indifferent grade. Strictly fancy stock is available for small lots only. Carnations are getting poor and scarce. Gladioli have almost reached summer value, though a few of the novelties are yet bringing good figures. There are some asters coming into the market, but the long spell of dry weather has been sadly against them.

**NEW YORK** This centre of activity continues to be only so in name. There is practically nothing worth reporting in the wholesale trade. Early closing is in vogue, and it is not easy to find anyone on deck in the afternoon. Stock is coming in with moderation as yet, but there are evidences that the receipts of roses will soon make a considerable increase, while asters and gladioli already begin to accumulate. Dahlias are also imminent. There are very few carnations. Cattleyas are scarce, and there is a market for all that appear. First-class Beauties are also good stock to have. Kaisersins take the lead in white roses as to quality and Killarneys in pink as to quantity.

**PHILADELPHIA** Conditions have improved slightly the past week, being quite in contrast to the regular order. Lily of the valley sold well, and other white flowers also were in active demand. The aster crop is getting more plentiful and has improved greatly in quality. The welcome rains of the past ten days have been especially beneficial to the second early aster crop. Carnations at the present time are very few and very poor. Some good new crop American Beauty roses are arriving. This applies not only to local but northern grown, the advance of farther north being now lost. Richmond is far too single to make a good summer rose, and Liberty is also below par. The cooler spell consequent on the rains is already showing on Kaisersins, which have improved greatly. Many growers cut back their old Killarneys some time ago and a very fair stock is now being marketed. Cattleyas continue scarce. Speciosum, auratum and longiflorum lilies are in fair supply and selling well. Lilium philadelphicum and tigrinum are also

conspicuous. Among the minor items are tritonas, gladioli, golden glow, phloxes and tuberose.

Reports from Detroit indicate that business is moving along quietly, with an average ahead of last year. The demand for cut flowers for yachting parties is beginning to cut quite a figure.

### BUSINESS CHANGES.

Hugo Rudolph has purchased the business of C. F. Altman & Sons at Manitowoc, Wis.

The stock of W. H. Henderson has been sold to Mrs. R. Henderson, of Cedarville, N. J.

Espelin & Warren, Fort Collins, Col., have bought the business of the Fort Collins Floral Co.

Leland G. Watkin and John Canfield have bought the greenhouses of A. A. Weldon at Berlin, Conn.

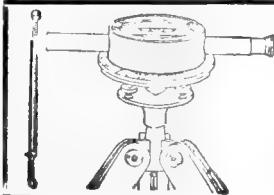
Hunt Bros. (Fred G. and H. H.) succeed to the business of Ahrenfeldt's greenhouses. Park Ridge, Ill.

Alexander Common will transfer his florist business from Woodward avenue, Detroit, to 412-414 Grand River avenue at an early date.

Albert Senger has leased the Hicks' Greenhouses, St. Louis, Mo., and will continue the business there in addition to his present establishment at Cote Brilliant avenue.

The Chase Nursery Co. and the Alabama Nurseries Co., Huntsville, Ala., have consolidated and the name of the former has been retained. Henry B., Robert C. and Charles Chase compose the new firm.

J. B. Opitz will discontinue his store on 6th street, Chicago, and give all his time to his places at 3026 Cottage Grove avenue and 3030 Indiana avenue.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA



**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
**Wholesale Florist**  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
**Wholesale Commission Florist** SELLING AGENT FOR  
LARGEST GROWERS  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
GARDENIAS, DAISIES, ROSES AND CARNATIONS  
JAMES McMANUS, 759 Wad. Sq. 42 W. 28th St., New York  
Telephone

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET  
PHONES. 1664-1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending July 25 1908	First Half of Week beginning July 27 1908		Last Half of Week ending July 25 1908	First Half of Week beginning July 27 1908
<b>Roses</b>			<b>Carnations, Fancy and Novelties.</b>	1.00 to 1.50	1.50 to 2.00
Am. Beauty, fan and sp. ....	10.00 to 25.00	10.00 to 25.00	Ordinary .....	.50 to .75	..... to 1.00
" extra .....	6.00 to 10.00	6.00 to 10.00	<b>Cattleyas.</b>	20.00 to 30.00	20.00 to 30.00
" No. 1 .....	4.00 to 6.00	3.00 to 5.00	<b>Lilies</b> .....	4.00 to 8.00	3.00 to 6.00
" Lower grades .....	1.00 to 2.00	1.00 to 2.00	<b>Lily of the Valley</b> .....	1.00 to 2.00	1.00 to 2.00
Bride, 'Maid, fan and sp. ....	2.00 to 4.00	3.00 to 5.00	<b>Asters</b> .....	1.00 to 2.00	1.00 to 2.00
" lwr. grds. ....	.50 to 2.00	1.00 to 2.00	<b>Gladiali</b> .....	1.00 to 3.00	1.00 to 3.00
Killarney, Richmond, fancy & spec	3.00 to 5.00	4.00 to 5.00	<b>Gardenias</b> .....	10.00 to 12.00	10.00 to 12.00
" lower grades.	.50 to 2.00	1.00 to 2.00	<b>Sweet Peas per 100 bunches.</b>	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot .....	.50 to 2.00	1.00 to 2.00	<b>Adiantum</b> .....	.50 to .75	.50 to .75
Golden Gate, Chateau, etc. ....	.50 to 5.00	1.00 to 5.00	<b>Smilax</b> .....	6.00 to 10.00	10.00 to 12.00
			<b>Asparagus Plumosus, strings.</b>	20.00 to 25.00	20.00 to 25.00
			" & Spreu. (100 bchs.)	10.00 to 20.00	10.00 to 15.00

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. New York.

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites.

**TRAENDLY & SCHENCK**  
**WHOLESALE FLORISTS**  
Furnish best stock at fair prices all the year round Send for quotations on fall orders  
Tel. 798-799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
**WHOLESALE COMMISSION FLORISTS**  
41 West 28th Street  
Telephones 3860 Madison  
3861 NEW YORK

**A. MOLTZ**  
Will purchase flowers on order in  
N. Y. market and ship carefully at  
prevailing wholesale prices. Address  
55-57 West 26th Street, New York City



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR

**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in  
Florists' Supplies and Wire Designs.

**383-87 ELLICOTT ST.  
BUFFALO, N. Y.**

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

**84 Hawley St., BOSTON, MASS.**

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

**Palms, Large and Small Ferns, etc.  
53 West 30th Street, NEW YORK**

Telephone 2083 Madison

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**  
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and  
varnished, 18x30x12, made in two sec-  
tions, one for each size letter, given  
away with first order of 500 letters

Block Letters, 1 1/4 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager  
66 Pearl Street, BOSTON, MASS.**

**FRANK S. HICKS & CO.**

**Wholesale Florists.**

Open Now for Consignments of Cut Flowers.

**39 West 28th Street, - New York City**

Tel. 2920 Mad. Sq.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**'FLORISTS'**



**Hardy Cut Evergreens and Florists' Supplies**

**NEW CROP DAGGER AND FANCY FERNs, \$2.00 per M.**

**15 Province St. and 9 Chapman Place, Boston, Mass.**

## WHOLESALE FLOWER MARKETS.— PER 100.

TO DEALERS ONLY.

	CINCINNATI July 27	DETROIT July 27	BUFFALO July 28	PITTSBURG July 28
<b>ROSES</b>				
Am. Beauty, Fan, and Sp.....	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00
“ Extra.....	15.00 to 20.00	12.00 to 15.00	10.00 to 15.00	10.00 to 15.00
“ No. 1.....	8.00 to 10.00	8.00 to 12.00	6.00 to 8.00	4.00 to 6.00
“ Lower grades.....	4.00 to 6.00	2.00 to 6.00	3.00 to 6.00	2.00 to 3.00
Bride, 'Maid, F. & S.....	5.00 to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
“ Low. gr.....	2.00 to 4.00	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00
Killarney, Richmond, Fan, & Sp.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
“ Lower grades.....	2.00 to 4.00	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00
Kaiserin, Carnot.....	5.00 to 8.00	2.00 to 8.00	6.00 to 8.00	4.00 to 8.00
Golden Gate, Chateauf, etc.....	5.00 to 8.00	2.00 to 6.00	4.00 to 5.00	4.00 to 8.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	2.00 to 3.00	..... to .....	1.50 to 2.00	..... to 2.00
Ordinary.....	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	..... to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	20.00 to 35.00	40.00 to 50.00	..... to 75.00
Lilies.....	8.00 to 10.00	10.00 to 12.50	8.00 to 12.00	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asters.....	..... to .....	1.00 to 3.00	1.00 to 2.00	50 to 2.00
Gladioli.....	..... to 4.00	4.00 to 6.00	3.00 to 4.00	5.00 to 8.00
Sweet Peas.....	.50 to .75	.50 to .75	.80 to 1.40	.25 to .50
Adiantum.....	.50 to .75	1.00 to 2.00	.50 to 1.00	1.25 to 1.50
Smilax.....	..... to 1.00	15.00 to 20.00	..... to 15.00	12.50 to 15.00
Asparagus Plumosus, strings.....	40.00 to 50.00	30.00 to 50.00	50.00 to 60.00	30.00 to 50.00
“ “ & Spren. (100 bchs.).....	..... to 25.00	40.00 to 60.00	25.00 to 50.00	30.00 to 40.00

**H. C. BERNING**

**Wholesale Florist**

**1402 Pine Street, ST. LOUIS, MO.**

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

**136-138 W. 28th St., New York City**  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

**Wholesale Contracting, Jobbing, Auction  
HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted.  
**62 Vesey St., NEW YORK**

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000.....\$1.75; 50,000.....\$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dyser, 28 State St., Boston.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

We have a specially fine lot of Arauca-  
rias—the plants at \$1.00 each are extra  
value for the money.

4-inch.....50 cents each  
5 ".....75 " "  
6 ".....\$1.00 each  
Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ASPARAGUS

A. N. Pierson, Cromwell, Conn.  
Asparagus Plumosus Seedlings.

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumosus Robustus Seeds.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Asparagus Plumosus Nannus Seedlings.  
For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine  
plants, \$2.50 per 100; \$20.00 per 1000. Cash  
with order or good reference. Erie Floral  
Co., Erie, Pa.; or, Wm. F. Kasting Co.,  
385 Ellicott St., Buffalo, N. Y.

## ASTER SEED

Altimo Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Oleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

For page see List of Advertisers.

S. S. Skidelsky, 1741 N. 18th St., Phila.  
Gloire de Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1-4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

J. A. Peterson, McHenry Ave., Westwood,  
Cincinnati, O.

Begonias, Gloire de Lorraine, Aratha.  
For page see List of Advertisers.

## BOILERS

ROILERS. "Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1183  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Cold Storage Lily of the Valley.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq.,  
Boston.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Fall Bulbs.

For page see List of Advertisers.

K. Velthuis, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

Currie Bros., Milwaukee, Wis.

Cold Storage Lilies.

For page see List of Advertisers.

Stokes' Seed Store, Philadelphia, Pa.  
French and Dutch Bulbs.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,  
N. Y.

Lilium Harrisii.

Lilium Canadense (both red and yellow),  
and Philadelphium and other native bulbs.  
Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.

Field Grown

Carnations Imperial and Pink Imperial.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

United States Cut Flower Co.,

Elmira, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Aug. Gaedcke & Co., Nashua, N. H.

Carnations, Fair Maid, Queen, Field Grown.  
For page see List of Advertisers.

Chas. Knopf Floral Co., Richmond, Ind.  
Carnations, Lawson Enchantress, Field  
Grown.

For page see List of Advertisers.

Ready Now! 15,000 Fine Field Grown  
Carnations, Lawson, Fair Maid, Enchan-  
tress; \$5.00 per 100; \$40.00 per 1000. Cash  
with Order. Leonard Cousins, Jr., Concord  
Junction, Mass.

## CARNATIONS—Continued

Carnation cuttings of all the leading  
varieties at the same price as any reliable  
firm. Write for prices before you look  
elsewhere. Wm. F. Kasting Co., 385  
Ellicott St., Buffalo, N. Y.

Field Grown Carnation Plants—Enchan-  
tress, Rose Pink Enchantress, Queen, Fair  
Maid, H. Fenn, White, Variegated, Red,  
Light Pink and Pink Lawson, \$5.00 per  
100. R. D. Kindall, Waban, Mass.

CARNATIONS!! FIELD GROWN!!  
Immediate delivery. Enchantress, \$45.00  
per 1000; \$5.00 per 100. Winsor, \$55.00  
per 1000; \$6.00 per 100. Large, bushy,  
healthy plants. Satisfaction guaranteed.  
Cash with order or C. O. D. Wanoka  
Greenhouses, Barneveld, N. Y.

50,000 Field Carnations now ready.  
Were fielded April 1 and are fine and big.  
Very bushy, having been repeatedly topped.  
Long Island grown. Early benching with  
these plants means money next fall and  
winter to you.

Enchantress, Rose Pink Enchantress,  
Lady Bountiful, Queen, White Lawson,  
Lawson, Red Lawson, Robt. Craig, Victory,  
White Perfection, Harlowarden, Prosperity.  
First size, \$5 per 100, \$50 per 1000; second  
size, \$4 per 100, \$40 per 1000.

Novelties—White Enchantress, Beacon,  
Imperial, Bonnie Maid, Aristocrat, Winsor,  
Pink Imperial, Lloyd (New Bedford white),  
\$8 per 100, \$70 per 1000. Cash with order.  
Will book order and hold until you are  
ready.

Harlowarden Greenhouses, Greenport,  
N. Y.

## CATALOGUE ILLUSTRATING

Gatchell & Manning, 27-41 S. 6th St.,  
Philadelphia.

For page see List of Advertisers.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Frank Oechslin, 2570-2606 W. Adams St.,  
Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

Herrington's book on the Chrysanthem-  
um, mailed to your address for 50c., by  
Horticulture Publishing Co., 11 Hamilton  
Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made.  
Write for list. Holton & Hunkel Co., Mil-  
waukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-1/2 in. pots, 4c. J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

# For List of Advertisers See Page 153

**DECORATIVE PLANTS**

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.
- Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.
- Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Saintpaulia, Pansettias, Primulas, Etc.  
For page see List of Advertisers.

**DRACAENAS**

- Dracaena Indivisa and Asparagus Sprengeri, very strong, 2 in., \$2.50 per 100, \$20.00 per 1000. Dean Ferris, Peckskill, N. Y.

**ECHEVERIAS**

- Echeverias, \$18 per 1000, post paid. McDowell, Mexico City.

**ELECTRIC CIRCULATOR**

- The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**FERNS**

- A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.
- Frank Oechslein, 2570-2606 W. Adams St., Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.
- M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

**FERNS FOR JARDINIERS**

- Frank N. Eskesen, Madison, N. J.

**FERTILIZERS**

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.
- Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.
- Wm. Elliott & Sons, 42 Vesey St., New York.  
Thompson's Manures.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

- Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.
- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH — Continued**

- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

- W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.
- Red pots, seed pans, etc.  
The Peters & Reed Pottery Co., Zanesville, O.

**GALAX**

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**GERANIUMS**

- R. Vincent Jr. & Sons Co., White Marsh, Md.  
New and Standard Varieties  
For page see List of Advertisers.

**GLASS**

- Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.
- Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- Sharp, Partridge & Co., 22d & Lumber St., Chicago.  
For page see List of Advertisers.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.
- GLAZING POINT**  
H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

- Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Boston.  
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.  
For page see List of Advertisers.
- Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.
- Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

- J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

- I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.  
For page see List of Advertisers.

- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.

- The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

- S. S. Pennock-Meehan Co., Phila., Pa.  
Florists' Hose; Bull-Dog and P. M. Brand.  
For page see List of Advertisers.
- Henry A. Dreer, 714 Chestnut St., Phila.  
Kiverton Hose.  
Anchor grade wears well.

- Munichized Rubber Co., New York, N. Y.

**GUTTERS**

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

- Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

**HEATING APPARATUS**

- Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

- Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.  
P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

F. R. Pierson Co., Tarrytown, N. Y.  
Hydrangea Otaksa in Tul.  
For page see List of Advertisers.  
Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand Alba.  
For page see List of Advertisers.  
American Everblooming Hydrangea (H. Arborescens Sterilis), strong, nursery grown plants, \$15.00 per 100; \$140.00 per 1000; 8 to 12 in., \$10.00 per 100; \$90.00 per 1000; 5000 for \$400.00. Peonies, a choice collection. Festiva Maxima, strong divisions, \$18.00 per 100; Queen Victoria, \$7.00 per 100. A hundred other good sorts. Lists free. The E. Y. Teas Company, Centerville, Ind.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.  
M. H. Rose, 46 Macomb St., Detroit, Mich.  
Rose's Eureka For Scale.  
For page see List of Advertisers.  
Stunupp & Walter Co., 50 Barclay St., New York.  
Kilndead Tobacco Dust.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**JUMPING BEANS**

Jumping Beans, \$5 per 1000, post paid.  
McDowell, Mexico City.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.  
A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
Jos. Heacock Co., Wyncote, Pa.  
Single and Made Up Specimens.  
For page see List of Advertisers.  
M. H. Rose, 46 Macomb St., Detroit, Mich.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.	.....	\$1.50 \$18.00
" 7-in.	.....	1.75 21.00
" 8-in.	.....	2.50 30.00
" 8-in. strong, 4.00	.....	48.00
" 9-in.	.....	6.00
Kentia Forsteriana, 7-in.	.....	2.50 30.00
" 8-in.	.....	3.00 36.00
" 8-in. strong, 5.00	.....	60.00
" 9-in.	.....	6.00 72.00
Made-up Kentia Forsteriana	.....	6.00 72.00

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

**LOBELIAS**

Double Lobelia, Kathleen Mallard, 24 in., 4c. Strong cuttings from soil, all full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Anglo-American Spawn Co., Kennett Square, Penna.  
For page see List of Advertisers.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhanan, East Walnut Hill's, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.  
For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.  
Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamentals, Trees.  
For page see List of Advertisers.  
Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.  
P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
Holland Nursery Stock for Forcing.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway, New York, N. Y.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.  
Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.  
Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.  
Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.  
Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.  
Ordenez Bros., Madison, N. J., Box 106  
For page see List of Advertisers.  
Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries Roslindale, Mass.  
For page see List of Advertisers.  
Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc Jobbers' list on application. C. W. Brown & Co., Walden, N. Y.

**PEONIES**

Cottage Gardens Co., Queens, N. Y.  
For page see List of Advertisers.  
Peterson Nursery, Lincoln and Peterson Aves., Chicago, Ill.  
Peony and Iris Roots.  
Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.  
One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.  
Peonies, largest collection anywhere, 1200 sorts, big stock of Couronne d'Or, Felix Crousse, O. Demay, etc. C. Betscher, Canal Dover, Ohio.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.  
Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

**PLANT TUBS**

H. A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

**POINSETTIAS**

Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.  
Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.  
H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.  
Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.  
P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**For List of Advertisers See Page 153**



**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

S. J. Reuter & Son, Westerly, R. I.  
Roses Own Roots from Grafted Stock.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Grafted Roses. Own Roots.  
For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Grafted Bride and Carnot Roses.  
For page see List of Advertisers.

For Sale Cheap. Meteor Rose Plants  
and Smilax, from 2 1/2 in. pots. Fine stock,  
will sell at a low price. Brant Brothers,  
Utica, N. Y.

Jas. J. Curran, Salem Conservatories,  
Salem, Va.

Low-budded roses, No. 1, \$95.00; No.  
1 1/2, \$65.00 1000. H. T. Jones, Elizabeth,  
N. J.

The beautiful new pink rose, MISS  
KATE MOULTON is the queen of all  
pink roses. It's a winner and you should  
grow it. Price \$30.00 100; 500 \$125.00;  
1000 \$200.00; 5000 and upwards \$175 per  
1000. Minneapolis Floral Co., Minneapolis,

**S. A. F. CONVENTION ACCOMMODATIONS**

Tower Hotel, Niagara Falls, N. Y.  
For page see List of Advertisers.

**SEEDS**

T. J. Grey Co., 32 So. Market St.,  
Boston, Mass.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St.,  
New York.

Boddington's Challenge Pansy, also Sweet  
Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Pansy Seed.  
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Rickards Bros., 87 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 67 So. Market  
St., Boston.  
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.  
Pansy Seeds.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.

Francis Brill, Hempstead, N. Y.  
Pansy Seed.  
For page see List of Advertisers.

Stokes' Seed Store, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.

**SMILAX**

A. V. D. Snyder, Ridgewood, N. J.

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

Smilax, strong, 2 1/4 in. pots, \$1.25 per  
100; \$10.00 per 1000. Cash please. Wm.  
Livesey, McCabe St., New Bedford, Mass.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. Lager &  
Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales,  
\$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash.  
H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay,  
So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**STRAWBERRY PLANTS**

R. & J. Farquhar & Co.,  
6 and 7 So. Market St., Boston.  
Pot-Grown.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**TUBEROSES**

No. 1 Pearl Tuberoses bulbs, \$5.00 per  
100. Schlegel & Fottler Co., 26 South  
Market St., Boston.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New  
Model encased, self-oiling gear; Standard  
Model Open Gear. Lord & Burnham, 1132  
Broadway, N. Y.

**VIOLETS.**

How to Make Money Growing Violets,  
will be sent postpaid for 25c., by Horti-  
culture Publishing Co., 11 Hamilton Place,  
Boston.

Commercial Violet Culture, by B. T. Gal-  
loway, sent postpaid for \$1.50, by Horti-  
culture Publishing Co., 11 Hamilton Place,  
Boston.

**WIRED TOOTHPLICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWOK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Ujfalussy, 136-138 W. 25th St.,  
New York.

Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40  
Broadway, Detroit, Mich.

Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Buffalo**

Wm. F. Kasting Co., 383-87 Ellcott St.,  
Buffalo, N. Y.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40  
Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

**New York**

J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New  
York.  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York  
For page see List of Advertisers.

John J. Raynor, 49 W. 28th St., New York  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New  
York.  
For page see List of Advertisers.

Moore, Hentz & Nash 55 and 57 W. 28th  
St., New York.  
For page see List of Advertisers.

Frank S. Hicks & Co., 39 W. 28th St.,  
New York.  
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,  
Brooklyn, N. Y.  
For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 28th St.,  
New York.  
For page see List of Advertisers.

A. Moltz, 55-57 W. 28th St., New York.  
For page see List of Advertisers.

Milang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

**Philadelphia**

W. E. McKissick, 1619-1621 Ranstead St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

Leo Nlessen Co., 1209 Arch St., Philadel-  
phia, Pa.  
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-18  
Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

**Pittsburg**

J. B. Murdoch & Co., 714 Penn Ave., Pitts-  
burgh, Pa.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

# Your Catalog Postage Is 8 Cts. Lb.

## Do not be "PENNY WISE & POUND FOOLISH."

It costs more to mail CHEAP PAPER than GOOD PAPER because GOOD PAPER is LIGHTER for equal bulk and LESS TRANSPARENT.

It costs more to use CHEAP PAPER Because IT LOOKS CHEAP, and Brings Poor Results. BEST PAPER Brings BEST RESULTS.

Our B. P. F. PAPER IS BEST Because it Combines the Qualities YOU NEED for YOUR Catalog. Specify WHEELWRIGHT PAPER. Samples sent on request.—Dept. C.

# GEO. W. WHEELWRIGHT PAPER CO.

95 MILK STREET,

BOSTON, MASSACHUSETTS.

### WHOLESALE FLORISTS— Continued St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers

### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St.,  
New York.  
For page see List of Advertisers.

### WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

### SITUATIONS WANTED

## GOOD MEN

When you need good men,  
skilled or unskilled, Write:

**THOS. H.  
BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for  
Florists, Nurserymen, Seedsmen and the  
Horticultural trade generally.

SITUATION WANTED Young man, 21  
years old, would like a position at general  
work in greenhouse. L. J. K., 20 Quincy  
St., Roxbury, Mass.

WANTED SITUATION—As forester or  
park foreman. Good references. Address  
B, care HORTICULTURE, 11 Hamilton  
Place, Boston.

SITUATION WANTED—German, 32,  
single, first class grower Begonia Gloire de  
Lorraine, Chrysanthemums, Roses, Carna-  
tions, good forger for Easter. M. Groh-  
mann, 286 Market St., Lockport, N. Y.

## READY NOW

### POINSETTIA

Strong 2½ in. h. pot plants, \$4.00 per 100.

### ADIANTUM CROWEANUM

Pleasant 3 in. h. pot plants, fine for cutting,  
pot sales or dividing, \$5 per 100, \$3 per 100.

### ARACARIAS

Never had a better lot. 4 in. pot plants, 6 in.  
high, 35; 5 in. h. pot plants, 12 inches high,  
tiers, 64; 6 in. h. pot plants, 14 inches high,  
3 and 4 tiers, 75; 7 in. h. pot plants, 16 inches  
high, 4 tiers, \$1.

### PRITULA SINENSIS

Fine strain. 2½ inch pots, \$3 per 100.

THE STORRS & HARRISON CO.,

### New Offers in This Issue.

#### CASTLE COUPLINGS AND FIT- TINGS.

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

#### FREESIAS.

Currie Bros. Co., 312 Broadway,  
Milwaukee, Wis.  
For page see List of Advertisers.

#### HARRISII AND LONGIFLORUM;

#### FREESIAS; OXALIS.

H. E. Fiske Seed Co.,  
12 and 13 Faneuil Hall Square, Boston.  
For page see List of Advertisers.

#### HIGH-GRADE CATALOGUE PAPER.

Geo. W. Wheelwright Paper Co.,  
95 Milk St., Boston.  
For page see List of Advertisers.

#### LARGE EVERGREENS.

Samuel C. Moon, Morrisville, Pa.  
For page see List of Advertisers.

#### NEPHROLEPIS SUPERBISSIMA.

F. R. Pierson Co., Tarrytown-on-Hudson  
New York.  
For page see List of Advertisers.

#### ORCHID PEAT.

Wm. Mathews, Utica, N. Y.  
For page see List of Advertisers.

#### SEEDS.

C. C. Morse & Co., 48-56 Jackson St.,  
San Francisco, Calif.  
For page see List of Advertisers.

#### WHOLESALE PRICE LIST FOR FLORISTS READY.

J. M. Thorburn & Co., 33 Barclay St.,  
New York.

For page see List of Advertisers.

#### YOUNG FERNS IN FLATS.

McHutchison & Co., 17 Murray St.,  
New York.

For page see List of Advertisers.

### HELP WANTED

WANTED—At once, young men with  
experience in carnations and gums. Must  
be hustlers and have good habits and good  
references. No drinkers. Call. L. H.  
Wise, Russell Street, Woburn, Mass.

### FOR SALE

FOR SALE—At a bargain, greenhouse  
plant, about 10,000 ft., located in Chicago.  
For particulars inquire of Chas. W. McKel-  
lar, 51 Wabash Ave., Chicago.

FOR SALE—A No. 16 Hitching boiler  
used only two seasons. Being removed to  
make room for larger boiler. Apply to  
Edmund Reardon, Cambridge, Mass.

FOR SALE—Retail nursery, sixth year,  
doing good, steady and increasing trade.  
Stock in excellent condition. Only local  
supply for community of 50,000. For  
particulars address R. N., care HORTI-  
CULTURE, Boston.

FOR SALE—Special—Glass for sale be-  
low cost. 16 x 24 double thick American  
A. & B. qualities, below cost, for immedi-  
ate acceptance. Never such an opportunity  
offered before. Write Parshelsky Bros., 50  
Montrose Ave., Brooklyn, N. Y.

FOR SALE, or rent, small greenhouse  
plant, tenement, and as much land as de-  
sired. Good location, established trade.  
Low price, or reasonable rent. Great bar-  
gain for right party. Must be sold or rent-  
ed at once. For particulars address C. T.  
Phelps, North Adams, Mass.

### FOR LEASE

FOR LEASE—Range of 7 greenhouses,  
10,000 sq. ft. glass, cottage and 2 acres of  
land at Cohasset, Mass. Houses in good  
repair. New Gurney Hot Water Heater.  
Five minutes' walk from R. R. Station.  
Controls good summer trade. Excellent  
opening for industrious florist. Apply to  
HORTICULTURE, 11 Hamilton Place,  
Boston.

FOR LEASE—Greenhouses, well estab-  
lished; stocked, and all in good condition;  
plenty of land for growing. Murdoch,  
Grigg St., Cambridge, Mass.

### USEFUL BOOKS.

We can supply the following books,  
postpaid, at the prices listed:—

The Chrysanthemum. Herrington.  
Price, 50 cts.

How to Make Money Growing Vio-  
lets. Saltford. Price, 25 cts.

Daffodils-Narcissus and How to Grow  
Them. A. M. Kirby. Price, \$1.10.

Commercial Violet Culture. Dr. B.  
T. Galloway. Price, \$1.50.

Water Gardening. Peter Bisset  
Price, \$2.50.

Lawns and How to Make Them.  
Leonard Barron. Price, \$1.10.

Roses and How to Grow Them. By  
Many Experts. Price, \$1.10.

The New Cyclopedia of American  
Horticulture. L. H. Bailey. Four  
volumes; \$20.00.

### PANDANUS UTILIS

2½ inch pots, \$4 per 100; 4 inch pots, \$12.50  
per 100.

### SAINTPAULIA IONANTHA

(African Violet). Grand pot plant. Strong 3  
inch stock, \$10 per 100.

### FICUS ELASTICA

4 inch pot, 10 to 12 inches high, \$25 per 100;  
5 in. h. pots, 20 inches high, \$60 per 100.

### KENTIA BELTFOREANA

2½ inch pot plants for centers of ferneries, \$7  
per 100.

PAINESVILLE, OHIO

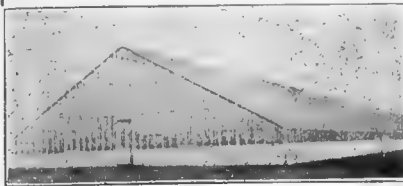
## List of Advertisers

Page	Page
Advance, The Co. ....155	Manda Jos. A. ....138
Altimo Culture Co. ....126	Mathews Wm. ....138
American Nursery. ....128	MacMullin E. A. ....143
American Nursery Co. ....128	McCarthy N. F. & Co. ....147
Anglo-American	McConnell Alex. ....142
Spawn Co. ....140	McHutchison & Co. ....139
Aschmann G. ....126	McKellar Charles W. ....144
Atlanta Floral Co. ....142	McKissick, W. E. ....144
Bambrick Thos. H. ....152	McManus Jas. ....146
Barrows H.H. & Son. ....139	Metropolitan Ma-
Bayersdorfer H. & Co. ....143	terial Co. ....154
Bay State Nurseries. ....128	Meyer J. C. & Co. ....138
Beaven E. A. ....144	Micheli H. F. Co. ....141-153
Berning H. G. ....147	Michigan Cut Flower
Betscher C. ....128	Exchange. ....147
Boddington A. T.	Midgley L. C. ....127
.....126-140-141	Millang Bros. ....146
Boston Florist Letter	Moltz, A. ....146
Co. ....147	Moninger J. C. ....154
Boston Plate and Win-	Moon Samuel C. ....128
dow Glass Co. ....154	Moore, Hentz & Nash ....146
Bosch, Felix. ....127	Morse C. C. & Co. ....140
Bostrom-Brady Mfg.	Murdoch J. B. & Co. ....144
Co. ....144	Murray Samuel ....142
Braslan Seed Growers	Niessen Leo. Co. ....144
Co. ....141	Oechslin Frank. ....126
Breck Joseph & Sons ....140	Ordonez Bros. ....138
Breitmeyer's J. Sons. ....142	Ouwkerk P. R. ....128
Bridgeport's Seed	Palethorpe P. R. Co. ....153
Warehouse. ....141	Park Floral Co. ....142
Brill Francis. ....141	Payne John A. ....153
Budlong J. A. ....144	Pennock-Meehan Co. ....144
Burpee W. A. & Co. ....141	Perkins St. Nurseries. ....126
Carrillo & Baldwin ....138	Peterson J. A. ....127
Cassidy I. ....155	Pierce F. O. Co. ....155
Castle Co. ....154	Pierson, A. N. ....126
Chicago Carnation	Pierson F. R. Co. ....138
Co. ....127	Pierson U Bar Co. ....156
Clarke's David, Sons, ....142	Poehlmann Bros. Co. ....128
Cleary's Horticultural	Pulverized Manure Co. ....153
Co. ....147	Quaker City Machine
Cottage Gardens. ....128	Co. ....155
Cowee W. J. ....147	Raynor John I. ....146
Craig, Robt. Co. ....128	Reed & Keller. ....146
Currie Bros. Co. ....126	Reinberg Peter. ....144
Dingee & Conard Co. ....128	Reuter S. J. & Sons
Doane Geo. B. & Son. ....155	Co., Inc. ....128
Dorner F. Sons & Co. ....127	Rice Bros. ....144
Dreer H. A. ....154-155	Rickards Bros. ....141
Dunlop John H. ....142	Robinson H.M. & Co. ....147
Dysart R. J. ....144	Rock Wm. L. Flo. Co. ....142
Edwards Folding Box	Roehrs Julius Co. ....138
Co. ....144	Roper Albert. ....127
Elliot Wm & Sons ....127	Roland, Thomas. ....126
Elm City Nurs'y Co. ....128	Rolker August & Sons. ....153
Esler J. G. ....155	Rose Hill Nurseries. ....128
Ernest W. H. ....153	Rose M.H. ....126-153
Eyres. ....142	Sander & Son. ....138
Farquhar R. & J. & Co. ....130	Schulz Jacob. ....142
Fearich J. S. ....146	Scott, John. ....139
Fiske, H. E. Seed Co.	Sharp, Partridge & Co. ....154
.....141-153	Sheridan W. F. ....146
Foley Mfg. Co. ....155	Siggers & Siggers. ....154
Ford Bros. ....146	Situations & Wants. ....152
Froment H. E. ....146	Skidelsky S. S. ....126
Gaedeke August & Co. ....27	Smyth Wm. J. ....142
Galvin Thos. F. ....143	Standard Plate Glass
Gatchel & Manning. ....141	Co. ....154
Grey T. J. Co. ....141	Stearns A.T. Lumber
Gude Bros. Co. ....142	Co. ....155
Guttman Alex. J. ....146	Stokes Seed Co. ....141
Hall Asso. ....155	Storrs & Harrison Co. ....152
Haines, J. E. ....127	Stumpp & Walter Co.
Hartmann Hjalmar	.....139-153
Co. ....141	Thorburn J.M. & Co. ....141
Hauswirth M.C. & J.E. ....142	Totty Chas. H. ....127
Heacock Joseph. ....128	Tower Hotel. ....144
Herbert David & Son. ....140	Traendly & Schenck. ....146
Hews A. H. & Co. ....153	United States Cut
Hicks Frank S. & Co. ....147	Flower Co. ....127
Hilfinger Bros. ....153	Valentine, J. A. ....142
Hill, The E. G. Co. ....128	Velthuys K. ....127
Hippard E. ....153	Vick's Jas. Sons. ....141
Hoenig M. J. ....144	Vincent R. Jr. & Sons. ....126
Horan E. C. ....146	Waterer John & Sons. ....128
Houghton & Clark. ....142	Weathered Co. ....156
Hunt E. H. ....153	Weber F. C. ....142
Kasting W. F. Co. ....147	Welch Bros. ....144
Kentucky Tobacco &	Weigel & Ujfalussy. ....147
Product Co. ....127	Wheelwright Geo. W.
Kessler, P. F. ....146	Paper Co. ....152
King Cons. Co. ....155	Wilson. ....142
Knopf, Chas. Floral	Winterson, E. F. Co. ....144
Co. ....127	Withold Geo. Co. ....142
Kroeschell Bros. Co. ....154	Wood Bros. ....128
Kuebler Wm H. ....147	Woodrow, Sam'l A. ....147
Lager & Hurrell ....138	Worcester Conserva-
Langjahr, Alfred H. ....146	tories. ....127
Leuthy A. & Co. ....126	Yokohama Nursery Co. ....127
Lord & Burnham Co. ....156	Young & Nugent. ....142
Lutton W. H. ....155	Zangen O. V. ....127
	Zinn Julius A. ....143
	Zvolanek A. C. ....140

IS YOUR NAME IN THE ABOVE  
LIST? IF NOT, WHY NOT?

## JOHN A. PAYNE GREENHOUSE Designer & Builder

260-274 Culver Ave.  
JERSEY CITY, N. J.



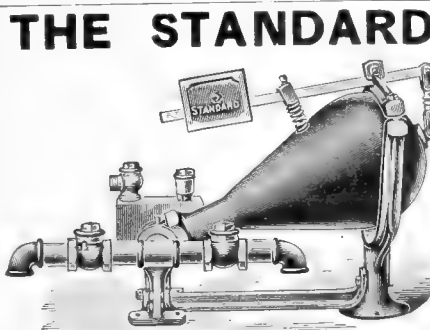
**IRON FRAME  
SEMI-IRON FRAME  
TRUSS ROOF  
WOOD FRAME**  
**Material Only or Erected**  
Everything for the Greenhouse

## Standard Flower . . POTS

If your greenhouses are within 500 miles of  
the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

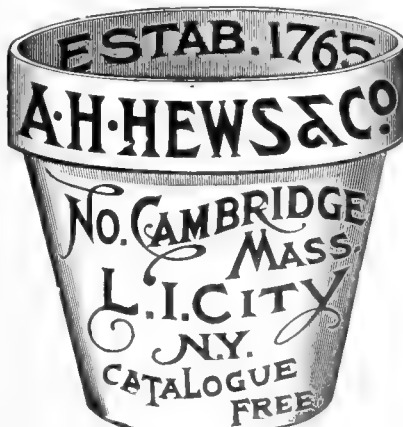


## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
2500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 3 1/4 " " "	5.25	60 8 " " "	3.00
HAND MADE			
1300 3 1/2 " " "	6.00	48 9 in. pots in crate	\$3.60
1000 3 " " "	5.00	48 10 " " "	4.80
800 3 1/2 " " "	5.80	24 11 " " "	3.60
500 4 " " "	4.50	24 12 " " "	4.80
320 5 " " "	4.51	12 14 " " "	4.80
144 6 " " "	3.16	6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of  
Cylinders for Cut flowers, Hanging Baskets, Lawn  
Vases, etc. Ten per cent. off for cash with order. Address  
**Hilfinger Bros., Pottery, Fort Edward, N. Y.**  
August Rolker & Sons, Agts., 31 Barclay St., N. Y. City.



DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be  
free from insects, clean,  
and the blooms will not  
be discolored.

Send for full  
information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.

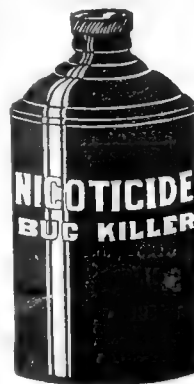
## THE STANDARD STEAM TRAP

is acknowledged the best for the  
florist, because it is durable and  
does its work without trouble and  
annoyance, saving its cost by the  
economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN,

OHIO



The Best  
Bug Killer and  
Bloom Saver

FOR PROOF

Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

IF YOU ARE TROUBLED  
with Scale, Thrip, Red Spider, Black and  
Green Fly, Mildew, Rust, Stem Rot, etc.,  
... USE ...

## ROSE'S EUREKA

the never failing remedy. \$1.00 per Bottle,  
\$9.00 per dozen Bottles.  
M. H. ROSE, 46 Macomb Street, DETROIT, MICH.  
Agents Wanted in Every State.



**Cattle Manure  
In Bags** Shredded or  
Pulverized

Best and safest manure for florists  
and greenhouse use, absolutely pure,  
no waste, no danger. Write for cir-  
culars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

# The Latest and the Best in Hot Water Heating AN AUTOMATIC CIRCULATOR

(Patent Applied for)

**Works while you sleep.** Should anything happen to the power, putting your forced circulation out of commission, this new device takes up its task automatically. Made with single, double or multiple propellers as our customers desire.

## The New Castle Couplings and Fittings

adapted particularly for Boiler Tubes. Every Joint both on Pipe and Fittings is an Expansion Joint. No more Rust or Screwed Joints. Applicable to Steam or Hot Water System. Can be used on Black Pipe or any other. Any Novice can put it together if he knows enough to handle a wrench. If you have any doubts about this it will cost but 2 cents postage to Find Out.

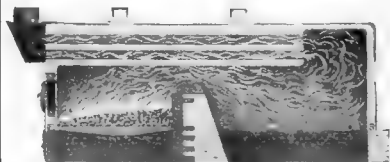
We are still placing the **Castle Boiler** and ready to accept orders for best modern piping systems.  
Hot Water or Steam.

## The Castle Company

Heating Engineers

170 Summer St., Boston, Mass.

### KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. & CO.**  
35 Erie Street, CHICAGO, ILL.

### PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

### STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

### DREER'S Florist Specialties. KEYSTONE CEDAR PLANT TUBS.



	Team	Each	Box	18
A	11	in	61	7.15
B	12	"	75	9.25
C	14	"	85	10.25
D	14	"	100	11.00
E	14	"	125	11.75
F	14	"	150	13.00

100 largest sizes have  
handles

### Special PAIL TUBS.

8 inches.	30	3.50	28.00
11 "	40	5.00	40.00

Painted Green.

**HENRY A. DREER,**  
714 Chestnut Street,  
PHILADELPHIA, PA.

BOSTON PLATE & WINDOW GLASS CO.

### GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

### METROPOLITAN MATERIAL CO. GREENHOUSE WRECKERS

**GLASS** Look at these prices. New  
American 50 ft. to the box, 10 x 12  
single \$1.00 per box, 10x12, 12x12  
B. double \$2.00 per box, 12x14 to  
12x20, 14x14 to 14x20, 16x16 and 16x18 B. double at  
\$2.15 per box, and 16x20, 17 x24, 12x24 B double \$2.25  
per box. Discount on large quantities. Let us quote  
you on

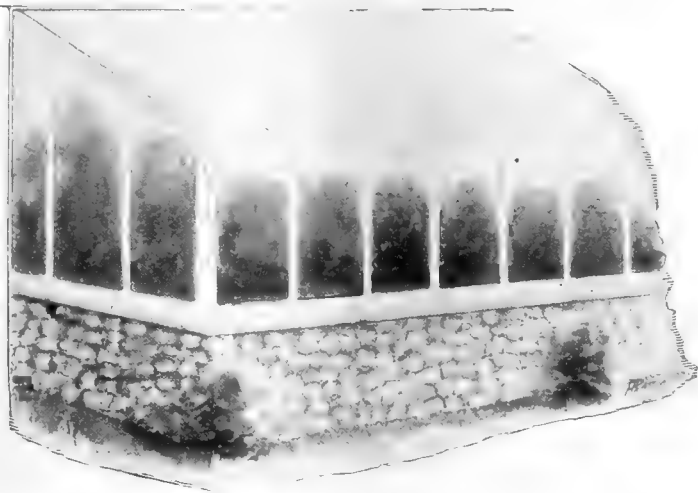
**CYPRESS MATERIAL HOTBED SASH  
BOILERS PIPE FITTINGS  
HOTBED FRAMES MATS**

1398-1408 METROPOLITAN AV., BROOKLYN, N. Y.

### GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**

117 E. Blackhawk St., CHICAGO



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.



### The Advance Ventilating Apparatus

Our new pipe couplings makes the work of coupling up the shafting pipe an easy task. Beats anything on the market. We have other good practical things in our line that our patrons appreciate. Best of material, superior principles, ease of operation and erection, makes it popular everywhere. Give us a trial. You will come again. They all do.

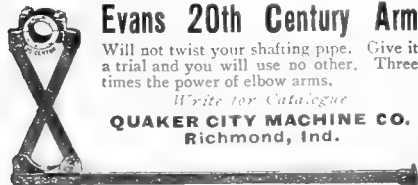
**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

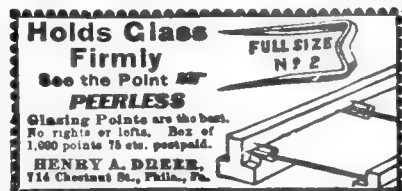
**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419



### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



### Holds Glass Firmly

See the Point of PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.  
**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

## HOT BED SASH

## PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

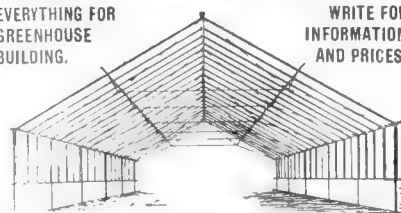
Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses. King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.



**MASTICA**

FOR  
Greenhouse Glazing

USE IT NOW.

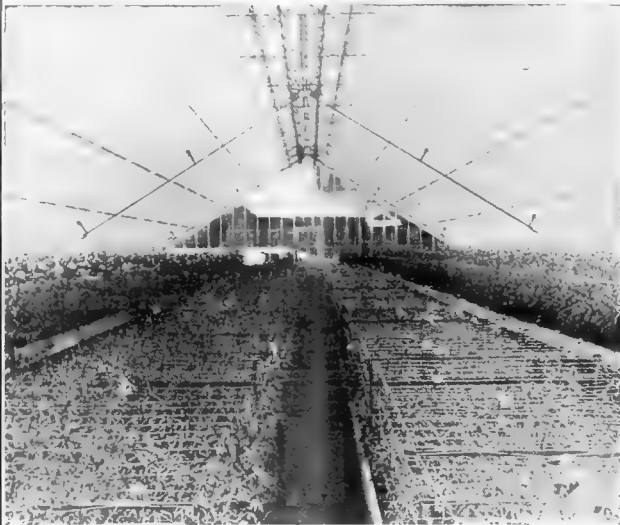
**F. O. PIERCE CO.**

12 W. Broadway and  
227 Greenwich St.  
NEW YORK



## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33-13 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.  
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY  
.. SENT FOR CATALOGUE ..

P. O. Address Box 789 NEW YORK CITY, N. Y.



THE DEEP CROSS FIRE  
CHANNELS WITH SIDE  
FLUE OPENINGS.

### THIS FEATURE FOUND IN "BURNHAM" BOILERS ONLY.

And it is just these cross fire channels, with side flue openings, that goes a long way towards making it the wonderful fuel economizer it is. These channels prevent the rush of burning gases from front of boiler directly to the back, and so makes each section *equally efficient*. Of no other cast iron boiler is this a fact. It is the only boiler that has grown up in the greenhouse business — the only cast iron boiler made especially for greenhouse work.

SEND FOR CATALOG

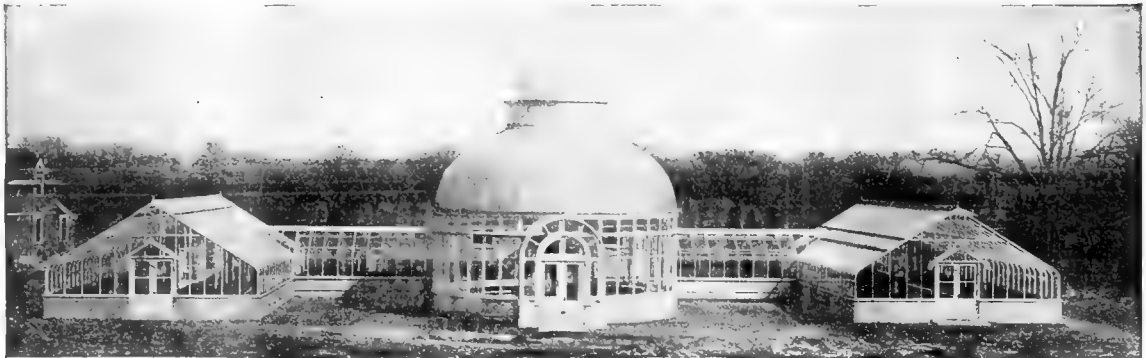
### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
819 Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## THEY ARE SPEEDILY ERECTED

No complicated structural parts to take extra time, no delays in erecting the frame work, for every member is accurately cut, drilled and fitted for instant erection when it reaches your grounds. They are the simplest, lightest, strongest, most enduring, attractive houses built, and they also cost less to maintain.

SEND FOR CATALOG

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. AUGUST 8, 1908 No. 6



THE CENTRAL MEADOW  
Franklin Park, Boston.

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00



## COLD STORAGE

### LILIAM SPECIOSUMS and LONGIFLORUMS, &c.

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

#### LILIAM SPECIOSUM ALBUM

8—9 inch, 100 bulbs in a case.....\$12.80 per case; \$9.00 per 100; \$80.00 per 1000  
9—11 inch, 100 bulbs in a case..... 14.00 per case; 14.50 per 100; 140.00 per 1000  
11—13 inch, 100 bulbs in a case..... 21.00 per case; 22.50 per 100; 210.00 per 1000

#### LILIAM LONGIFLORUM GIGANTEUM

7—8 inch, 250 bulbs in a case.....\$17.50 per case; \$8.00 per 100; \$70.00 per 1000  
7—9 inch, 300 bulbs in a case..... 25.50 per case; 9.00 per 100; 85.00 per 1000  
9—10 inch, 225 bulbs in a case..... 29.25 per case; 14.00 per 100; 130.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14TH STREET, NEW YORK CITY

## GERANIUMS ... OUR ... SPECIALTY

Our collection is the finest and most extensive in the country embracing the cream of the Standard sorts and new varieties from the foremost introducers in the world. We have a fine stock ready for immediate shipment from 2 in. pots, Standard sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50. A splendid collection to stock up on. 500 for \$9.50. We have the following in extra fine shape in 2 inch pots ready for 3 inch, just the stock to grow on for Christmas.

S. A. NUTT.....\$2.00 per 100  
ALPH. RICARD..... 2.00 "  
E. H. TREGO..... 3.00 "  
PETER HENDERSON..... 3.00 "

MRS. LAWRENCE.....\$3.00 per 100  
LA PILOTE..... 2.00 "  
BERTHE DE PRESILLY..... 3.00 "  
PAUL CRAMPPEL..... 6.00 "

Smilax strong plants from 2 in. pots, \$2.00 per 100, \$18.50 per 1000. Hardy Chrysanthemums good assortment, \$2.00 per 100, \$17.50 per 1000.  
R. VINCENT, JR. & SONS COMPANY, WHITE MARSH, MD.

## LILIAM HARRISII

## FREESIAS

5 to 7, \$4.50 per 100; \$40.00 per 1000  
6 to 7, \$6.50 per 100; \$60.00 per 1000  
7 to 9, \$10.00 per 100; \$90.00 per 1000

Extra Choice, 1-2 to 3-4 in., 80c. per 100; \$7.50 per 1000.  
Mammoth, 3-4 in. and up., \$1.00 per 100; \$9.00 per 1000.

CURRIE BROS. CO., 312 Broadway, MILWAUKEE, WIS.

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N.Y.

NEP. WHITMANI

2 1/4 in., \$5.00 per 100

NEP. WHITMANI

3 1/2 in., \$25.00 per 100

BOSTON FERNS

2 1/4 in., \$3.00 per 100

H. H. BARROWS & SON Whitman, Mass.

## Special Low Prices

On large Specimen Kentias, Palms in Variety, Araucarias, etc., for Decorating Purposes.

JUST RECEIVED

A large shipment of medium sized Kentias, Arecas, Cocoses, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

A. LEUTHY & CO.,

Perkins St. Nurseries, ROSLINDALE, MASS.

## ASTER GROWERS ATTENTION:—

Our Seed is All Sold. If you failed to get some it is your loss. However:— Get a Competition Card Now, Enter your name as an Aster Grower of America and win part of our \$250.00 offered in prizes. Entry free. All information gladly given. No cost to you except to prepay the express charges on flowers sent in competition.

Altimo Culture Co., Canfield, Ohio.

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR

BUSH PLANTS IN POTS

Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early, Mid-season and Late, 2 1/2 in. 50c per doz., \$3 per 100. 4 1/2 in. in pots, \$1 per doz., \$8 per 100.

PRIMULA OBCONICA and P. CHINENSIS

Best Varieties

Ready Now, 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

FRANK OECHSLIN

2570-2606 W. Adams St., Chicago. Formerly Garfield Park Flower Co.

A NEW

## PEONY CATALOGUE

WITH

Cultural Directions

ALSO A LIST OF THE BEST

IRIS and PHLOX

Sent free to all applicants.

T. C. THURLOW & CO.

West Newbury, Mass.

## CARNATIONS

FIELD GROWN, NOW READY

Fair Maid and The Queen the two best Bread and Butter Carnations on the market. Our Plants are equal to the best in New England. Extra strong, stocky, healthy plants. Order now, and we will ship when you want them. FAIR MAID, \$40 per 1000 THE QUEEN, 40 per 1000

AUGUST CAEDEKE & CO.

25 Concord Street, NASHUA, N. H.

A. N. PIERSON, Inc. CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100 \$140.00 per 1000

Thomas Roland, Nahant, Mass.

Begonia Gloire de Lorraine

Strong 2 1/2 in. pot plants, leaf cuttings, \$15 per 100, \$140 per 1000. Immediate Delivery

S. S. SKIDELSKY, 1741 No. 18th St. PHILADELPHIA

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far the **best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

*Do not fail to see our exhibit at the S. A. F. Convention, Niagara Falls.*

Fine, strong plants, 2½ inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7 50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Begonia Gloire de Lorraine

Strong bushy plants, grown from single leaf, \$15.00 per 100, \$140.00 per 1000.

## Begonia Agatha

(Veitch) improvement on *Begonia Gloire de Lorraine*, an easier grower, earlier flowering, of a most pleasing shade of soft satiny pink; \$18.00 per 100.

Can furnish thrifty young plants of either variety, grown from cuttings, at \$8.00 per 100. Strong 4 inch plants, \$35.00 per 100. Now ready for shipment.

Cash with order from unknown correspondents

**J. A. PETERSON**

Wholesale PLANT GROWER

McHENRY AVE., WESTWOOD, CINCINNATI, O.

## HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

ROMAN HYACINTHS and the true PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillegom

K. VELTHUYS, Hillegom, Holland  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

**JAPANESE**  
THE YOKOHAMA NURSERY CO. NEW YORK.  
31 BARCLAY STR.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

ARRIVED IN SUPERB CONDITION

## CATTELYA DOWIANA VAR. AUREA

The most gorgeous of all *Cattleyas*. Also *Cattleya Gigas* from the Aurea District

*Miltonia Vexillaria* and *Tricopelia Giganteum*

**JULIUS ROEHRS COMPANY, - - - Rutherford, N. J.**

## ORCHIDS

Arrived in fine condition, *C. Mossiae*, *C. Percivaliana*, *C. Trianae*, *C. labiata*, *C. gigas Sanderiana*, *C. Harrisoniae*, *C. Schroderae*, *C. citrina* Den. *Formosum giganteum*, *D. Wardianum*, *D. Findleyanum*, *Oncidium varicosum* Rogersii, *O. Tigrinum*, *O. Ornithorhynchum*, *Laelia anceps*. To arrive shortly, *Vanda Coerulea*, *Cattleya Gaskelliana*, *C. Mendellii*, *Phalaenopsis Amabilis*, *P. Schilleriana*.

**CARRILLO & BALDWIN, Secaucus, N. J.**

## ORCHIDS

Arrived in excellent condition, a large shipment of **CATTELYA SCHROEDERAE** finest type known. Also *C. Trianae* and *C. Dowiana*. Due in two weeks *C. Gigas* (Hardyara type), *C. Chrysotoxa*, *Peristeria elata*, *Miltonia Vexillaria*, *Odontoglossum Harryanum* and *O. luteo-purpureum*, *Scepstrum*.

WRITE FOR PRICES

**LAGER & HURRELL, Summit, N. J.**

## MEYER'S SILKALINE

Used Everywhere. For Sale by all up-to-date Supply Houses.

DON'T TAKE ANY SUBSTITUTES

**JOHN C. MEYER & CO.**

Mills at  
Lowell, Mass.

BOSTON OFFICE,  
77 SUMMER ST.

**Fine Quality Orchid Peat**

25-bbl. lots, ..... \$200 per bbl  
50-bbl. lots, ..... 175c per bbl  
100-bbl. lots, ..... 150c per bbl

Osmunda roots.

**WM. MATHEWS, - Utica, N. Y.**

## ORCHIDS

Arrived in Grand Condition

**CATTELYA AMETHYSTOGLOSSA** true  
**CATT. BOWRINGEANA**  
**LAELIA GRANDIS TENEBROSA**  
**ONCIDIUM SARCODES**

Write for Prices

To arrive shortly

*Laelia purpurata*, *Laelia Boothiana* (lobata), *Oncidium varicosum* Rogersii.

**JOSEPH A. MANDA**

191 Valley Road WEST ORANGE, N. J.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
**NEW YORK CITY**

## ORCHIDS

Our introduction has arrived in Perfect Condition  
*C. Gigas Sanderiana*, *C. Percivaliana*,  
*C. Gaskelliana*, *C. Mossiae*.

Expect *C. Mendellii* shortly.

**ORDONEZ BROS., Madison, N. J.**

## GRAFTED ROSES

### Special Bargain Sale

Extra fine Stock from 3 inch pots.

KILLARNEY, CARNOT, KAISERIN,  
UNCLE JOHN, RICHMOND,

\$2.50 per dozen \$15.00 per 100  
BRIDE, BRIDESMAID, GOLDEN  
GATE, LA FRANCE,

\$2.00 per dozen \$12.00 per 100

### OWN ROOT

KILLARNEY, KAISERIN, RICHMOND  
from 3 inch pots, \$7.00 per 100.

BRIDE, BRIDESMAID, GOLDEN  
GATE

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

WOOD BROTHERS, Fishkill, N.Y.

## FIELD GROWN CARNATIONS

Strong healthy plants, free from disease. Special care given to the packing, using light slatted crates.

Whites—	Per 100	Per 1000
White Enchantress .....	\$8.00	\$70.00
White Perfection .....	7.00	60.00
Queen Louise .....	6.00	50.00
<b>Pink—</b> splendor .....	12.00	100.00
Rose Pink Enchantress .....	7.00	60.00
Enchantress .....	6.00	50.00
Lawson .....	6.00	50.00
<b>Scarlet—</b> Beacon .....	7.00	60.00
Victory .....	7.00	60.00

**ROSES** Own Roots. Propagated from grafted stock. Strong plants.

Maiden 3 inch pots .....	4.00	35.00
Mme. de Watteville 4 inch pots ..	5.00	

S. J. REUTER & SON, Inc., Westerly, R. I.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

You will find something worth reading on every page of HORTICULTURE.

## ROBERT CRAIG CO.

### ROSES, PALMS,

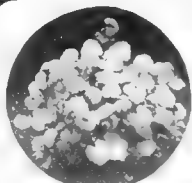
and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## The Roses that Win

MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.  
Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.



New Forcing and Garden Hydrangea

## HYDRANGEA

(Arborescens)

### GRAND ALBA

A taking novelty for

### FORCING

Strong field grown 15 inch  
on top \$15 per 100, \$140  
per 1000. 1 to 15 inch  
\$10 per 100, \$30 per 1000

The Elm City Nurs. Co.  
NEW HAVEN, CONN.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT, - - - ENGLAND

## 100,000 Peonies

For September and October Delivery

We offer over Two Hundred of the leading varieties. Send for descriptive catalogue and wholesale list.

COTTAGE GARDENS COMPANY, INC.  
Queens, Long Island, New York

## HARDY NEW ENGLAND GROWN NURSERY STOCK

Specimen Evergreens for August Planting

Large collection of choice varieties several times transplanted. *Herbaceous Perennials*, Strong field-grown plants in great variety for *September planting*. Catalogues containing everything for the Home Grounds Free.

THE BAY STATE NURSERIES, North Abington, Mass.

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebracht Building, 425 Fifth Avenue

## LARGE EVERGREENS

A fine lot of Colorado Blue Spruce, Hemlock, Norway and Oriental Spruce, Nordmans Fir and other choice Conifers, 4 to 16 feet high, recently transplanted. Ask for list.

## SAMUEL C. MOON

Morrisville Nursery MORRISVILLE, PA.

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

## DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc.  
ATCO, N.J.

Hardy Rhododendrons, Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our  
HOLLAND NURSERIES

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights P O No. 1, Hoboken, N. J.



## STRAWBERRIES

STANDARD SORTS

Full Crop Next Summer if Planted Early

### POT GROWN PLANTS

Ready July 1st

\$3.00 per 100 \$25.00 per 1,000

Illustrated Catalogue Free.

R. & J. FARQUHAR & CO.

Tel. 1470 Richmond BOSTON

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind

FOR FUMIGATING AND DUSTING

Dusted on Plants It covers large surface.

One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York



## British Horticulture

### THE CULT OF THE SWEET PEA

Further evidences of the great strides made in the development of the sweet pea were afforded at the annual show of the National Society, at the Royal Horticultural Hall, Westminster, on July 24th. Favorable reports had been received from various parts of the country as to the condition of the blooms, and there was a full entry. An alluring array of prizes, including several championship trophies, stimulated a keen competition. A good batch of novelties was submitted for the certificates granted by the Floral Committee. The decorative section was particularly interesting in furnishing object lessons of the value of the sweet pea for effective table adornment. It is during the last thirty years that the remarkable advance has been made in the sweet pea. In 1837 a firm of seedsmen in London were offering five varieties; these now number several hundred. Scarlet Invincible, which was raised by Mr. S. Brown, of Sudbury, was the first variety to be seen by the Royal Horticultural Society, a first-class certificate being granted in 1865.

### MODERN DEVELOPMENTS

The flower which erstwhile found a modest corner in the artizan's garden has within the last few years developed into a floral favorite, in whose honor special shows are held in various parts of the kingdom, and whose admirers form an international freemasonry by their kindred aims. At various provincial centres clubs have been started amongst the artizans for furthering the culture of the fragrant sweet pea. One has only to visit the trial grounds of well known seedsmen at Reading or in Essex to realize the striking evolution which has taken place in this increasingly popular flower. Here can be seen some of the forgotten fancies of 20 years ago, whose lack of size was made up by the length of name. In contrasting the old and new, the visitor is struck by the tremendous advance in form, texture, color and floriferousness of the modern introductions and there is an added gracefulness which lends a high degree of effectiveness to their decorative value. The raising of new varieties has gone ahead with such celerity that one firm alone grows over 300 different sorts on their trial grounds, these being in 550 rows which, if placed end to end, would reach a distance of over two miles.

### THE NEW SECTIONS

The new waved form marked an interesting departure. The first of this series was Countess Spencer, with graceful waved standard and wings, this having been raised by Mr. Silas Cole, head gardener to Earl Spencer, Althorp Park, Northampton. From this variety other fascinating novelties have been evolved, and have gained many honors on the show table. In recent years the Cupid sweet peas, the dwarf-growing section, have been introduced from America, and these are found useful for raised beds and rock gardens. To America we also owe the newer winter-flowering section. Mr. A. Zvolanek, of Bound Brook, has the credit of being the first to secure a variety that provided a welcome blaze of color at Christmas-time. Mr. Engelmann has

paid attention to this section, and in dull December he makes a gay display of bloom in his greenhouses. The Rev. E. Arkwright, of Algiers, sometime ago discovered that some of the sweet peas had a tendency to flower early. By a process of selection he was able to have varieties which flowered in December from the September sowing. Some of these have been experimented with in England, where they have flowered under glass early in the New Year.

### THE NATIONAL SOCIETY'S WORK

Useful work in the interests of the flower it represents has been accomplished by the National Sweet Pea Society, which was founded after the bi-centenary celebration at the Crystal Palace in 1900. In addition to the successful shows organized in London and the provinces, the Society has rendered a praiseworthy service in the holding of trials of new varieties at the University College Gardens, Reading. These trials are useful in enabling the committee to select the best varieties in the respective color sections, to place their "hall-mark" on the most meritorious kinds, and to bracket the synonymous varieties. The Floral Committee at the London show restricted their awards in the novelty section to those which have been inspected in cultivation this summer at the Reading trials. This prevented an award being given to a variety which has not been properly fixed, for amongst the newer race there is a great tendency to "sport."

The National Society recommends the following as the best in their colors: White, Dorothy Eckford and Nora Unwin; crimson and scarlet, King Edward and Queen Alexandra; rose and carmine, John Ingman; yellow and buff, Mrs. Collier; blue, Lord Nelson and Romolo Piazzani; blush, Mrs. Harcastle Sykes; cerise, Coccinea; pink, Countess Spencer.

There is now a wide variation of tints from which a choice can be made, whilst the long, stout stems are found extremely advantageous for decorative purposes. The warmer tones of color show up to perfection under the artificial light. What the future has in store for those who are experimenting with this subject affords wide scope for speculation. It may be that before many more seasons have given their gay contribution to the garden the long-looked-for yellow, akin to the tint of *Coreopsis grandiflora* will have gladdened the heart of some painstaking hybridiser.

*W. H. Adsett.*

## SPECIAL CONVENTION NUMBER

WILL BE PUBLISHED

**NEXT WEEK, August 15, 1908.**

**DON'T MISS IT.**

**Send Advertising Copy NOW and  
We'll Do the Rest.**

# HORTICULTURE

VOL. VIII

AUGUST 8, 1908

NO. 6

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page . . . . . \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—The Central Meadow, Franklin Park, Boston.	
BRITISH HORTICULTURE—W. H. Adsett.....	161
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder .....	163
NEWS OF THE CLUBS AND SOCIETIES:	
Society of American Florists—The Trade Exhibition—Special Bowling Trophies—New York to Niagara Falls—Boston to Niagara Falls—Florists' Club of Philadelphia—S. A. F. Office in Washington	164
Gardeners' and Florists' Club of Boston—Winnipeg Florists' Association, Illustrated—Omaha Florists' Club Outing, Illustration—Buffalo Florists' Club	165
Florists' Club of Washington—Missouri State Board of Horticulture.....	177
ADVERTISING, AS APPLIED TO THE HORTICULTURAL TRADES—Paper by Robert Pyle.....	166
FORMOSA LILIES—Paper by A. Rosnosky.....	168
ROSE HYBRIDIZATION—Paper by Alex. Dickson....	168
BACK TO THE FARM—R. L. Adams.....	170
SEED TRADE .....	172
OBITUARY .....	175
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, New York, Philadelphia, Detroit .....	177
MISCELLANEOUS:	
Mildew .....	179
Chicago Personals .....	174
Steamer Departures .....	174
A Sweet Pea Competition.....	174
Personal .....	175
Business Changes .....	175
News Notes.....	175-185
Coming Events .....	175
The Insect Invasion .....	177
List of Patents .....	184
Greenhouses Building or Contemplated.....	184
Incorporated .....	184

In recent issues of HORTICULTURE a considerable amount of news space has been given over to accounts of outing festivities, club picnic games, recreation trips and holidays and we shall presently be called upon

to make report on the sporting contests scheduled to take place at what many of our readers regard as the great national vacation trip of the year—the S. A. F. convention at Niagara Falls. The story of these diversions may be said to lack in the element of practical education which, it is generally conceded, must be a prevailing component in the reading matter disseminated by an influential technical or trade journal. In recording these pastimes, however, we recognize a proclivity which is strongly developed in the typical gardener or florist and which when business cares are relaxed finds its fullest expression amid verdant surroundings in happy fellowship with one another and with Nature in her most charming aspects. It is fitting that Nature and the horticulturist should be boon companions in vacation hours as well as fellow-laborers when work is to be done, "and therefore let's be merry."

Among the pursuits in which men are engaged none, perhaps, touch so intimately on the green-woods and fields and rural associations and delights as does

that of the horticulturist and it is an open question whether there may not be some danger of perverting the original intent of our florists' picnics by the prominence which has been given of late to athletic games and contests as a part of these affairs. Not that the games in themselves are undesirable but that the tendency to make them the chief feature of the outing may tend to eliminate from these annual holidays their real sentiment and main charm as "outings" and that the lavish distribution of trophies of considerable intrinsic value may possibly stimulate an undesirable mercenary spirit among the contestants especially when judges' decisions are followed by protests and misunderstandings as occasionally happens. Let us see to it that the primary purpose of a day of quiet enjoyment for all—old and young, whether interested in games or not—is assured. And possibly we may yet come to the conclusion that a bit of blue ribbon duly inscribed may be a more suitable award for pre-eminence in jumping or running than a watch or a five-dollar gold piece.

Our cover illustration affords a view of the central meadow, two hundred acres in extent, at Franklin Park, Boston. As the picture shows, the ground is rolling and, with the exception of a few scattering trees, it presents a surface of simple turf which gives a pleasing foreground for the wooded borders. From the elevations of Scarboro and Schoolmaster's Hills which adjoin this fine meadow many beautiful views can be obtained across its ample expanse. The sheep add a pastoral effect of great value in a landscape where quiet

simplicity is the dominant feature. This meadow is also used for golf links. We present this view as a contrast to the park scenes generally published. While devoid of any effort at horticultural effect the picture will inspire an appreciative response in the cultivated mind. During the coming week the American Park Superintendents will be in session at Minneapolis. No department of our art calls for greater intelligence and culture than theirs. To be able to link harmoniously the beauty of cultivation and studied adornment with such scenes of spontaneous simplicity as our frontispiece depicts, without weakening the impressiveness of either, calls for talents of a high order. The park superintendent is constantly being called upon to "sacrifice quality to novelty and real excellence to uncertain worth" and it is greatly to the credit of the men who stand at the head of our many magnificent public reservations that so much of natural beauty has been preserved.

## Notes from the Arnold Arboretum

As one of the most showy trees of the late summer *Rhus semialata* var. *Osbeckii* is to be named; it is a low tree with a broad spreading head resembling somewhat that of the southern Umbrella-tree. In bloom, when covered with its broad and dense panicles of creamy white flowers, it is certainly the most conspicuous of the Sumacs in cultivation though in fruit and in the autumnal coloring of its foliage it is not so superior to all. The leaves assume only a pleasant brownish red color in fall and the fruits resemble those of the Staghorn Sumac, but are less brilliant in color.

A tree somewhat similar in habit to the preceding but lower is *Koeleruteria paniculata* which is now showing its terminal open panicles of yellow flowers; they are not particularly showy, but for variety's sake are welcome at this time of the year. The tree is not perfectly hardy in this neighborhood and suffers in more severe winters.

Another late flowering tree is *Sophora japonica*. The rather small whitish flowers are arranged in large and lax panicles and open in succession during several weeks. For this reason they do make a great show, but the loose whitish panicles contrast pleasantly with the dark green foliage which remains unchanged on the tree until frost sets in. It is a round-headed tree reaching fifty or sixty feet in height, is perfectly hardy and stands drought well, which makes it the more valuable. The peculiar pendulous variety which is sometimes planted is a little more tender. Of late several closely related forms and species have been introduced, but the plants have not yet flowered and are still too small, to make it possible to form an idea how their ornamental qualities will compare with *Sophora japonica*.

One of the handsomest of the late flowering shrubs is the Rose of Sharon, *Hibiscus syriacus*, which is begin-

ning to bloom and will continue until frost sets in. There are a great many varieties in cultivation with purple, bluish, white and rose colored, single and double flowers; one of the prettiest is a form with double white flowers which is now blooming at the Arboretum. Unfortunately the shrub is not perfectly hardy, but in a warm and sheltered position will stand even severe winters.

With its large and open panicles of small purplish flowers *Lespedeza bicolor* is a very handsome shrub of graceful habit reaching about six or ten feet in height. It is hardier than the later flowering *L. Sieboldii* (*Desmodium penduliflorum*) and to be recommended for sunny borders of shrubberies; it stands drought well.

The Heather, *Calluna vulgaris*, with its slender spikes of rosy red flowers is only effective when planted in masses so as to carpet the ground; it grows well in sandy, rocky or peaty soil and may be used for borders of groups of Rhododendrons or other Ericaceous plants. Cut flowering branches keep their life-like appearance in a dry state for many months. There are several varieties in cultivation of which the var. *alba* with white flowers is one of the most desirable to add variety.

*Clematis tangutica* of which the feathery fruiting heads were mentioned in the issue of July 25 is now flowering a second time. Though the nodding yellow flowers are large and handsome, they are not as showy as other large-flowered Clematis, since they are tubular in shape.

The fruits of *Viburnum Opulus*, or as it is perhaps more correctly called *V. americanum*, are assuming a yellow or orange yellow color and will be from now until next spring among the most conspicuous of the ornamental fruits. *Viburnum Lantana* has for a short time bright red fruits which, however, are already beginning to take on their final bluish black color. Fruits of similar color but without first changing to red are borne by *V. pubescens*. More conspicuous are the dark blue fruits of *V. dentatum*.

The branches of *Elaeagnus multiflora* are now thickly studded with dark red fruits of about pea-size, while the larger pendulous fruits of *E. longipes* are beginning to shrivel. *Elaeagnus multiflora* is often confounded with *E. umbellata* which ripens its fruits still later and has a more silvery looking foliage.

*Colostomer integrifolia* (*C. vulgaris*) is very handsome with its bright red fruits; it is a low shrub which stands drought well and is particularly adapted for rocky slopes.

*Lonicera Marstonii* is much handsomer now with its nodding glossy scarlet fruits than with its rather insignificant violet flowers. Another of the later fruiting Honeysuckles is *L. chrysantha* which has bright red fruits, brighter than those of the allied *L. xylosteum* and *L. Morrowii*. Much less conspicuous are the bluish black fruits of *L. orntonensis*.

Alfred Rehder.

# NEWS OF THE CLUBS AND SOCIETIES.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### The Trade Exhibit.

Instructions for shipping freight for the exhibition.

The following arrangements for shipping freight to the Niagara Falls trade exhibition of the S. A. F. & O. H. convention have been made:

The Merchants' Dispatch freight agency, whose representative will call on you will wherever possible receive freight and send it collectively to the Falls.

This office will supply you with shipping tags, which kindly use, filling in your own name after the word "From."

If shipping by freight and you wish your exhibit to be carted to the hall, fill out the line on the tag:

In care of: The Anderson Carting Company.

This company will carry all freight from cars to exhibition rooms for 15c. per cwt., C. O. D.

If you wish to avail yourself of the Anderson Co. services, kindly mail freight bill to said company.

Address: H. W. Anderson, 320 1st street, Niagara Falls, N. Y.

If shipping by express, use tag without filling above line.

All freight and express charges must be prepaid to avoid confusion.

Paragraph 7 of rules relating to the management of the annual Trade Exhibition reads as follows:

"Exhibition space shall be designated in square feet. The charges for space shall be as follows:

Minimum charge, \$5.00.

Fifty ft. or less, per sq. ft., 26c.

Excess over 50 and not over 100 ft., per sq. ft., 19c.

Excess over 100 ft., per sq. ft., 18c.

This shall be interpreted:

1. The smallest amount of space sold is \$5.00.

2. The first 50 sq. ft. or less of any order shall cost 26c. per sq. ft.

3. Additional to the first 50 ft., 19c. per sq. ft.

4. Additional to the first 100 ft., 18c. per sq. ft.

For example: 150 sq. ft. will cost \$51.50.

Unless otherwise instructed, all benches and tables will be neatly covered with dark green cambric free of extra charge. There will also be a sign painter and card writer on hand who will do any work on the above lines that exhibitors may wish, for a nominal charge.

Yours truly,

CHAS. H. KEITSCH,

Superintendent.

### Special Bowling Trophies.

Chairman George W. McClure of the Sports Committee of the S. A. F. asks us to announce that he will be glad to receive voluntary contributions of special prizes to be awarded in the bowling and other sporting contests,

but particularly for the bowling contests, in connection with the coming convention. The time is now very limited, and a prompt and generous response will be appreciated.

### New York to Niagara Falls.

At a recent meeting of the New York Florists' Club it was unanimously decided to accept the offer of the Lackawanna Railroad account of the above meeting.

We will have a special train leaving New York Monday, Aug. 17, to run through from New York to Niagara Falls direct, leaving New York at 10 A. M. from the foot of Barclay, Christopher or West Twenty-third streets, due to arrive in Niagara Falls at 9 P. M. Connection with this train can also be made via the Hudson River Tunnel. This train will be equipped with combination baggage and smoking car, the necessary number of high-class vestibule standard day coaches and dining-car. Noonday meal will be served on the la carte plan and for the evening meal, we will be served with an elaborate table d'hôte dinner at a cost of \$1.00 per capita.

Tickets will be on sale on the certificate plan at one fare and three-fifths for the round trip (\$12.80). Purchasers can apply at any Lackawanna ticket office; agent will furnish certificate, collecting \$8.00 at the time of purchase for the going trip. This certificate will be honored on the return trip for a ticket from Niagara Falls to New York at a cost of \$4.80; in other words, the total round trip will cost \$12.80. Lackawanna ticket offices in New York city are located at Broadway and Wall street, 429, 1183, 1434 Broadway; 251 West 125th; Barclay, Christopher or West Twenty-third street ferries; 339 Fulton and 954 Broadway, Brooklyn, N. Y.

For the accommodation of florists and their friends who live on the Morris & Essex Division of the Lackawanna Railroad a stop will be made at Dover, N. J. at 10.55 A. M. enroute to Niagara Falls.

On the trip from New York to Niagara Falls over the famous Lackawanna you will pass the beautiful Delaware Water Gap, the dividing line between the states of New Jersey and Pennsylvania; the magnificent Pocono Mountains, thence through the coal regions of Pennsylvania and the gorgeous Genesee Valley into Buffalo.

We extend a cordial invitation to all to join us on the special train.

Very respectfully,

PATRICK O'MARA,

Chairman Transportation Committee,  
JOHN YOUNG, Secretary.

51 W. 28th St., New York City.

### Boston to Niagara Falls.

It is earnestly hoped that a goodly number of members of the Boston Gardeners' and Florists' Club will attend the annual convention of the S. A. F. at Niagara Falls, August 18th. If all who intend to go would make up

their minds early, so that concerted action could be taken, the economy and comfort of the trip would be greatly facilitated. This, of course, includes any who desire to attend the convention, whether members of the club or not. The only reduced rates available are on the one and three-fifths certificate basis, making the round trip from Boston \$15.92 on the N. Y. Central or \$15.12 on the Fitchburg line. This is exclusive of sleepers.

There is no doubt in the writer's mind that the S. A. F. is destined to evolve into a national horticultural society on a very broad basis, and that the Gardeners' and Florists' Clubs of the country will be the natural feeders and correspondents of that society. If that is the desirable objective, private gardeners as well as all florists and all other lovers of horticulture should attend the meetings, and seek to direct the policies of the S. A. F. into the desired channels.

The writer will be glad to assist in bringing together those who propose to attend the convention, and will promptly give any information obtainable. Only don't put it off till the last minute.

F. E. PALMER, State Vice-Pres.  
Brookline, Mass.

### Florists' Club of Philadelphia.

At the meeting on Tuesday, Aug. 4, after a lively debate it was decided that the Philadelphia delegation go to Niagara Falls by way of the Pennsylvania R. R. via Harrisburg and the Northern Central. Train leaves Broad Street station 8.25 A. M., Monday, August 17th, arriving Niagara Falls 9.10 P. M. same day. The Philadelphia party from present indications will be about seventy-five strong and they expect to be joined at Harrisburg by the Baltimore and Washington contingents. The rate is fare and three-fifths, totaling \$14.85 for the round trip. Pay the regular one way fare at start and get certificate from ticket agent. A cordial invitation is extended to all wishing to join the party whether members of the local or national bodies or otherwise.

I. Rosnosky read an interesting paper on *Lilium Formosum*. Robert Craig strongly urged the members to stop off at Cornell on way back. He read a cordial letter of invitation from Mr. Larzalere of the University.

### Office in Washington.

It appears that under the charter the society should maintain a permanent office in the city of Washington, D. C. President Traendly has appointed Mr. Wm. F. Gude as the official representative of the Society of American Florists and Ornamental Horticulturists in that city who will maintain an office at 1214 F street, N. W., Washington, D. C.

W. N. RUDD, Sec'y.

July 28, 1908.

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

To accommodate several members the date of the Amherst field day has been changed from Aug. 14 to Aug. 15. All intending to make the trip are invited to meet on the platform of the North Union Station, at 8 o'clock, in season for the early Amherst train. All those who hope to make the journey should notify the secretary at once so that he can complete all necessary arrangements.

The attention of club members is called to the coming convention of the Society of American Florists at Niagara Falls, opening on Aug. 18. It is hoped that the club will be well represented. Mr. F. E. Palmer, state vice-president, will cheerfully present information as to rates to any who may wish to make the journey. A big delegation under the auspices of our club will cheer our state officers. Mr. Palmer will be at the club meeting on Aug. 8 ready to furnish any information needed.

#### Important Notice—Special Club Meeting.

We, the undersigned members of the Gardeners' and Florists' Club of Boston, desiring to extend the moral support and sympathy of the club to our fellow member, ex-President James H. Morton, in his time of trial, hereby request the president and secretary of the club to call a special meeting at the earliest possible date for this purpose.

James Benzie, James F. M. Farquhar, John K. M. L. Farquhar, John P. A. Guerineau, Peter M. Miller, Alfred Poetsch, Stephen Donnellan, John Van Leeuwen, Duncan Finlayson, William C. Rust, Robert Cameron, Wm. J. Stewart.

Pursuant to the foregoing request a special meeting of the Gardeners' and Florists' Club of Boston, is called for Saturday evening, Aug. 8, 1908, at 8 o'clock, at Horticultural Hall, Boston, to take action on the above. A large attendance of members is earnestly requested. Let us show our worthy and esteemed ex-president that he has the full support of our club in his hour of need.

W. N. CRAIG, Secretary.

### WINNIPEG FLORISTS' ASSOCIATION.



At the Winnipeg Exhibition, which closed on July 19th, there were many splendid exhibits, and it was altogether successful in every way. The Rosery Florist of Portage Rochue had a very pretty and artistic booth, and showed some fine designs and bouquets. Mr. Ormiston of Fort Rouge also had a splendid collection of plants and designs, amongst which the huge fuchsias, begonias, geraniums, and ferns—including the Whitmanii, Tarrytown and Boston—were a special feature. The Winnipeg Parks Board also had a big stand of palms, rubber plants, geraniums and fuchsias the

whole forming a pretty picture of cool green and brilliant coloring.

The Winnipeg Florists' Association have combined with the Western Horticultural Society to have a big floral show in September, and all concerned are working hard to make it a success.

The members of the Winnipeg Florists' Association were entertained by Mr. Champion at the new Association Park on Thursday, July 23rd, and a very enjoyable time was spent. Mr. Champion has certainly done wonders in the short time since the park, which comprises nearly 30 acres, was opened, and he hopes by this time next year to have it all set out and finished.

### BUFFALO FLORISTS' CLUB OUTING.

The annual outing of the Buffalo Florists' Club, which was held at Bedell House (Grand Island), was a most decided success. The day was an ideal one. The attractions which the grounds possessed for amusement for those who were not interested in the sports served to make the occasion enjoyable for all. The ball game, East Side vs. West Side, was won by the latter and was an excellent game.

Others events and winners were as follows: Men's race, first, Tob Shank, of Williamsville; second, J. Prisach, of Corfu. One hundred-yard dash, first, Longley, of Palmer's; second, Walthers, of Palmer's. Boys' race, first, R. Klokow; second, M. Harop. Three-legged race, first, Reechert and Walthers; second, Reechert and Sangster. Leap-frog race, first, D. Scott and O. Scott; second, Reechert Brothers. Tug of war, won by the Kasting team. Relay races, won by the Palmer team. Consolation races, Spiedel, Walker, Brown, Ehmann, Stentz, in order named.

Refreshments were served on the grounds. The dinner hour found 128 seated and hungry. At the head of the table W. F. Kasting was master of ceremonies. There were a few remarks by Chas. Sandeford, the club's president, Chas. Keitsch, manager of the S. A. F. Exhibition, and several others. At the close the prizes were distributed to the lucky winners and the day's sport was ended with dancing in the grand hall. Following dinner a bowling match of two sides was won by McClure, 264; Spiedel, 262; Slattery, 261; Sangster, 260; Sandeford, 259. Special request was made by the losing side not to publish their score and as they are friends of ours we comply.

The Nassau County Horticultural Society (N. Y.) has recently received a request from President Roosevelt to become an honorary member.



OMAHA FLORISTS' CLUB OUTING.



## ADVERTISING—AS APPLIED TO THE HORTICULTURAL TRADE.

(An address by Robert Pyle before the Florists' Club of Philadelphia, April 7th, 1908.)

Philadelphia is the home of one of the largest, if not the largest, advertising agency of the world. Some twenty-five years ago one of the leading men of that firm, easily one of the most prominent advertising men in the country today, used to say after laying out an advertising campaign with one of their clients: "Well, now, as to results you know and I know that neither one of us knows anything about it."

But in spite of the chances they were taking as to the outcome Mr. McKinney and the man with whom he was working continued year after year to turn over to the printer and publisher in hard, cold cash approximately three times the amount of the net profits of the preceding year of that particular firm, and gradually and steadily built up a business reputation and confidence in the name of that firm which is now known in every flower-growing country on earth. It is the printing press and the post office that have made such conquest possible.

For our purpose tonight advertising may be said to be "applied salesmanship" with the possibility of sales multiplied to the "Nth" power but the printed sheet is by no means the only medium. Heinz with his 57 varieties built a big pier at Atlantic City and I have no doubt as an advertising move it pays him well. P. T. Barnum, during the height of his fame as a circus manager upon coming to one of the largest cities, is said to have rented a small plot of ground adjoining the tracks of a leading railroad which carried thousands of passengers every day to and from the city. He set an elephant to work ploughing that field with a man from Ceylon as a driver. You can readily imagine the interest that such a spectacle would create. People talk and papers print the novel thing that interests them. The amount of free publicity that Mr. Barnum obtained would be difficult to estimate.

Looking at it broadly, advertising is publicity—telling other people something about which you want them to know, influencing them to think of you and to desire the thing you have to sell, whether it be pickles or seats at the circus, professional services or Easter lilies. But, tonight, of course, we are most interested in floricultural and horticultural advertising.

### Flowers, Trees, Seeds, Bulbs,

are the things we have to sell and right here comes a distinction: at least I would like to make the following per-

haps arbitrary distinction—for the more convenient handling of my subject. Some of us are growers, some are commission men, and some cater to the general public and naturally we have a different selling proposition in each case. To the former the trade papers are the mediums of vital interest (more about them later). The rest of us including, we'll say, the seedsmen, nurserymen and general catalog men have learned that we must depend upon advertising for our bread and butter.

Because of the very nature of the case the advertising carried on by these men is perhaps as broad and general as that done by any class of men in the plant business. Perhaps, therefore, it would be worth our while to go into the office of one of these firms and watch them laying plans for next season's campaign.

The conditions which the advertising man has to face are these: As buyers he has all sorts and conditions of men and women—they are located all over the country—and the product which he has to sell includes all kinds of plants, trees, etc., used to beautify the surroundings of the average American home. I use the word "average" as excluding that class of homes which look to the landscape architect for their advice. The average American, we believe, depends upon the florist catalog in the main and upon the magazines treating of this subject to give him the information necessary for the decorating of his grounds.

### The Catalog.

The first and indispensable thing for a salesman to consider is his catalog, or primarily a list of the things he has for sale with the prices thereof. But the successful catalog man knows that bare lists and prices will of themselves bring very little business, and therefore, he devotes time and earnest effort and spares no expense to arrange, amplify and beautify his catalog. He will take care to have the plants properly classified, to have them carefully and accurately described, and also to include if possible directions for their culture, until it becomes a veritable encyclopedia of the things listed. He also engages the services of the best artists, will have his own photographic department or go where he can to get illustrations that will speak louder than words and make his catalog vie with the modern magazine in rare attractiveness. In making up a catalog we think it is always well to bear in mind the attitude of the men or the women who will read it. Amateurs as a rule want to know and are glad to be shown, and there are some women who will read a catalog from cover to cover, no matter how long the descriptions; but the general tendency and a good one is to cut down these

long descriptions and to insert in a clear, readable, well arranged manner only such things as would stand the test of actual usefulness and give an accurate picture to the prospective purchasers of what he is asked to buy. There are many other details that might be treated of, for which there is not room here, as regards the size of the catalog page, the number and kind of illustrations, special offers, bargains, etc.

### The English Excel.

Before leaving the subject we would like to call attention to the fact that the English florist of today is ahead of his American brother as evidenced by the splendid specimens of catalog making which they furnish patrons, not only as regards fine paper and beautiful illustrations, but the comprehensive text-book-like treatment of the subjects listed makes them delightfully entertaining in every way and, if the high prices which they seem able to get is any criterion, we believe they must be good pieces of advertising.

We have here a sample of one of the English catalogs, nearly 400 pages, heavy plate paper, exquisitely executed color work, weight 2-2 lbs. in the mails. They must cost more than \$1.00 apiece. The catalogs issued in our country average in price from 1 cent to 35 cents in the mail bag. There are a great many houses publishing about one hundred thousand books; very few approach the million per year edition. The number needed depends, of course, upon the number of regular customers (as we call those who order intermittently year after year) plus the number of new names that may be obtained in one way or another, so that right here comes the next point for the advertising man to consider in laying out his campaign. How many new names will he get?

The answer which almost immediately follows is, how much money have you got to spend? This question is more easily answered when some plan of operation has been arrived at. How shall we go about it to get new customers, a problem more fascinating than a game of chess, most uncertain as regards the outcome but proving to bring rich rewards. How shall we reach the general public? To a man with a small place doing a local business that problem would be a comparatively simple one. He would probably put up a sign, make his place look as attractive as possible, using the local papers and sending out to his list of customers attractive bits of advertising literature at proper intervals. Of course, this is but a mere outline of what he might do. But our general catalog man is catering to a very scattered public with wonderfully diversified interests, living under multifarious conditions of climate and environment; he must catch their eye and gain their attention long enough to impress them.

### Selecting Advertising Mediums.

One of the first things to consider, therefore, is what mediums shall he use, and the second thing is what kind of a proposition will he circulate through these mediums. It is very much like sowing seed; good seed in poor ground is not much better than poor seed in good ground; both must be good to form a successful combina-

tion. Let us, therefore, first consider the soil, or mediums.

Judging from the way he spends his advertising appropriation the average seed and plant advertiser has in the past plainly found it most profitable to use the magazines and some other periodicals, giving little attention to either billboard, street car or other such forms of advertising. First in the list are the papers which hold for him somewhat the same place as the trade papers do for the wholesaler and the commission man. I refer to the garden magazines with which you are all familiar. The Garden Magazine, Suburban Life and Floral Life are all good; Country Life in America is a unique proposition. Next after this class we would name the women's publications, McCall's Magazine for example, Good Housekeeping, and many others in a like class which seem to appeal as particularly helpful to the women who "do things." Of course there is a long list, important among which are the farm publications, with the Farm Journal a good leader, some of which will "win out" on certain propositions and "fall down" on others and this leads us to another very important matter, that of

#### Tracing Results from Advertising.

We understand that Burpee depends upon a certain proportion of the people answering his advertisements stating in what periodical they saw the advertisement, and in that way learns which ones pay best.

Where possible we believe it pays to key every advertisement and check the returns. We have here a schedule showing the number of orders received and the cost per order and cost per reply to a certain list of papers from a certain proposition for a certain period of years, and you can readily understand how helpful is this schedule in selecting mediums for future advertising.

#### Space.

The next question will be, How much space shall we use? Does it pay to use a large space in a few mediums or a small space in a great many? Will it pay better to spend \$4000.00 for putting an advertisement on the back cover of the Ladies' Home Journal for example or to use the same amount of money in buying full page space in four of the leading monthly magazines? Of course, there are extreme cases, but the same principle applies, and it is no easy matter to decide questions of this kind. We believe it pays to take sufficient space to very certainly catch the attention of the woman who is not likely to be interested, and to take that space in the magazines of good standing and large known circulation, and which you know reach the class of people for whom you are making a bid.

#### Copy.

The question of copy is perhaps the most fascinating of all. We know of no easier way to waste money than to buy space and to fill it but poorly. The first question to consider may be, Will you advertise directly for orders or advertise for names?—or in other words get people to send for your catalogue which can be depended upon to make the sales. Look through the advertising pages of any current magazine and we will find samples of every type.

Tompkin, for example, offers a beautiful lace fern, free, tacking on the vision that four cents must be sent to pay cost of packing and postage; that four cents is a good foil to keep off mere curiosity seekers. It appeals to the people who want much for little but the advertisement is well laid out and also ought to appeal to the very best names. An advertisement of this kind will undoubtedly get circulation for the catalog.

Another type that you are sure to note is that of making a definite offer of a collection or a novelty. There is some risk as to whether or not such offers will pull and this is the test for the man who writes the advertisement. Personally we have tried the free offer plan, and have secured thousands of names that have cost not more than a penny apiece; we have tried the second plan above referred to and have got some orders to cost us not less than \$4.00 apiece, but after we had sent on each particular proposition, counted up the cost of the catalogs and considered the returns from all the sales made there was very little difference in the net result. Countless examples of this kind might be related but all go to show that it is as important to consider the quality of the names thus secured as it is the cost to get them. Cyrus Curtis, head of the Ladies' Home Journal Company, once said that if he got back one quarter of what he put into his advertisements he considered it was paying him very well indeed, and it took six figures to show the amount he was then expending each year.

#### Catchy Schemes.

There are a few things that may be worth mentioning in connection with display in advertising. Some artists or some advertisers seem to have the knack of getting up an advertisement that will stand out strongly on the page. Some years back white on black advertisements were very much in evidence and are still distinctive. You will remember the excellent advertising done by the Greenhouse Construction Companies in the trade papers; what splendid taste is displayed, attractive illustration, strong borders, white space and well selected and well arranged type, and best of all, good, straight-from-the-shoulder talk. There is a characteristic style in the clean appearance of Burpee's advertising, from which for the most part illustrations are eliminated, except in the way of their trade-mark or their green label. When the term "Uneeda Biscuit" was coined for the National Biscuit Company, there was also adopted a particular style of letter, and from that day to this, whether on bill-board, box or magazine, we think we are right in saying that that particular style of lettering has always been retained.

Advertisers have learned the value of repetition. "Water dropping day by day wears the hardest rock away." Repeated taps of the hammer will finally break the stone. There is a little "ad" that appears in the trade papers most pleasingly distinctive, and I daresay there is hardly a man in this room who is not perfectly familiar with the little label pictured in the firm name of the Leedle Floral Company. It is impossible for one to think of the advertisement of

that firm without picturing in his mind the sign of that little signature, which shows our boldly on the most crowded page. A good trade mark can be hammered into the consciousness of the people you are trying to reach. With it, that be strong enough, you can count upon gaining the attention of every passer-by every time he comes along, and very much oftener, and very much more surely, than if your "ad" was dressed up in the common garb of ordinary type.

#### Testimonials.

Testimonials, it seems to us, are worthy of mention, as being strong arguments in advertising. They are recovering from the violence done them by the patent-medicine man. In the first place they come from disinterested, at least unprejudiced persons and, in connection with catalog work especially, if not with advertisements, they add conviction as to the pulling power of the thing advertised.

#### Free Reading Notices.

Many of you probably remember how at a large reception given to President Roosevelt, in course of the naval review in New York harbor, there was a certain flower that figured conspicuously in the decorations. Just how much John Lewis Childs is responsible for the Gladiolus America being used for the President's reception we know not, but it is very certain that the amount of free publicity gained through the press, as the result of this gladiolus being used, would have cost Mr. Childs many thousands of dollars if paid for at regular advertising rates.

Any one who has been reading the trade papers for the past few months has surely had impressed upon his mind the fact that there was a new hydrangea on the market. Because of the discussion over a name that hydrangea has been advertised so widely that it is almost as famous as old H. panic, grandiflora, yet our genial friend from Indiana, the famous introducer, we suppose has not been charged a cent.

Some people are trying to believe that they are reducing the profession of advertising to a science. They claim certain conditions produce certain results, just as life insurance men have their mortality tables. The most successful advertisers, or the man entrusted with the expenditure of the largest sums of money, still advise, and widely practice what they preach, as follows:

"Try out every scheme (no matter how promising it may appear on its face) thoroughly on a small scale. First tabulate results, carefully watch results and your correspondence, then shape your course accordingly.

Just one more thought I wish to leave with you. When you advertise, be ready to "deliver the goods." Do not disappoint, or your advertising campaign might just as well not have been. Good stock, right prices, with prompt, courteous attention to customers will win trade and create a confidence that will be hard to shake. This is by no means the least important.

And we repeat hold your customers by good service, because after all a satisfied customer is your best advertisement.

## FORMOSA LILIES.

A Paper Read Before the Florists' Club of Philadelphia by  
I. Rosnosky.

The Formosa lily was discovered about three years ago by Mr. Uhei Suzuki, of Yokohama, Japan. Mr. Suzuki, after repeated efforts to bring a lily on the market that could compete in earliness with the Bermuda Harrisii, discovered on the island of Formosa, a wild-growing lily of Longiflorum type. The bulbs were collected and cultivated exactly as they are on the mainland. The cultivation proved highly successful, and three years ago six cases in miscellaneous sizes of the Formosa lily were shipped for the purpose of experimenting in the States.

The experiment proved a success, and as the following year a further consignment of sixty cases resulted equally well, the Yokohama house was instructed to plant as many Formosa lilies as possible.

The Formosa lily flowers in the month of February in its native island, which is about two months earlier than the Harrisii in Bermuda. By the end of May the bulbs are ready for shipment and ought to reach here in August. Repeated experiments have proved the Formosa lily to be strictly free from disease and the bulbs are good for both pot, plant and cut flowers.

There are about six different kinds of Formosa lilies, but the flowers are almost identical and bloom at the same time. The flower opens up a fine, pure, waxy white, and keeps splendidly. Average size of plant is 30 in. to 40 in. high, with leaves from the root up. The plant produces three to eight flowers to a plant, according to size of bulbs. The plants stand very erect and their stalks are firm and hard.

I wish to call special attention to the fact that if the Formosa lilies are not forced too much they will all turn out the same height. If forced very early they will grow rather tall, and may not produce flowers as large as they should if grown in 50 to 55 degrees temperature. If the lilies are wanted for Easter the bulbs should be potted in November and kept cool. This long rest from the time of their arrival until they can be potted is very beneficial.

An interesting result was achieved by the Hinode Florist Co., of White-stone, N. Y., with this year's lot of Multiflorum lilies. They did not pot the bulbs until a week after Christmas and much to everyone's surprise the plants were ready for the Easter market in perfect condition. Furthermore, the Hinode Florist Co. only had to throw out 10 per cent. of their Multiflorum lilies. They kept their lilies in a temperature of from 50 to 55 degrees, at night sometimes 60 degrees.

I wish to emphasize the fact that a great many lilies are killed by over-watering, for even the strongest and healthiest plants can be killed that way. The roots get soaked until they are brown, and the plant dies. During cold weather the water should be warmed up to avoid chilling the plants.

For the benefit of the Philadelphia florists, I wish to say that E. Lieker, at Lansdowne, Pa., gave the Formosa

a thorough trial of 1500 bulbs. He was exceptionally well pleased with the results last Easter. I also saw a very fine lot of Formosas at A. Graham & Sons', Cleveland, Ohio, A. N. Pierson's, Cromwell, Conn., and several other places. I am also informed that Messrs. Bassett & Washburn of Chicago had especially good results with Formosas last Easter. This firm grows a very large quantity.

## ROSE HYBRIDISATION.

(A paper by Alex. Dickson, Newtownards, Ireland. Read before the American Rose Society.)

It was with considerable hesitation that I consented, at the request of your Society, to write a paper upon hybridisation and cross-pollination in relation to the rose. I may say at once, it is a request I have refused many times from similar organizations here and elsewhere, because I have always felt, and indeed still feel, it is a subject upon which it is extremely difficult to write a satisfactory paper. The subject is one which cannot possibly be dealt with satisfactorily in a paper such as the present, and the chief difficulty one has is selecting the lines upon which to write, or the point of view from which to discuss it. I will do my best to make the paper as interesting and instructive as I can within the limited scope at my disposal. I have given the subject my most careful consideration, and I am convinced that the best method of dealing with the subject in this paper is to give you in a condensed form some of the results, which have accrued from the labors of my brother and myself, extending over a period of almost thirty years.

## The Commercial Standpoint.

I would ask those who hear this paper read, and those who may read it for themselves, to remember, that it is written by a professional rose grower, and, therefore, by one to whom the practical results, from a commercial standpoint, were of the most vital importance, and of necessity this point of view had always to be borne in mind by my brother and myself in our line of experimental inquiry; and it is from this point of view that I deal with it. Hybridisation is a subject of intense interest, and the practical application of the science opens up an indefinite and even inexhaustible field of inquiry, but those of us who are professionally engaged upon this branch of horticulture must abandon to some extent at least, the scientific aspect, in favor of the practical. With the stern realities of life facing me, I have many times—contrary to my desire—been compelled to abandon scientific lines of inquiry, as against the production of new varieties of commercial value—a situation I regretted, but could not help. After thirty years steady and continuous work, I am inclined to the opinion that the further one pursues the subject of hybridisation, the greater the field for exploration. I have often thought, whilst pursuing my work, and watching the results, that the effect was much like that produced when climbing up a steep mountain—the further one rises, the more the plains below are opened up. I will try

to explain more fully as I go on exactly what I mean, and the foregoing observations are made with a view to render less keen the disappointment which I feel will inevitably follow the reading of this paper. I am conscious that my observations will be read before, and by, men of practical experience in horticulture, and particularly in the culture or advancement of the rose, and by men keen upon the development and improvement of the rose; and I am sorry for this reason, that I can give little practical assistance to any who are desirous of entering the field of hybridisation on their own account. I may, however, render their disappointment less acute. The main reason why I can render little practical help is, that, when all is said and done, hybridisation is a science of pure experiment, or rather chance, as I can easily show.

## Hybridisation and Experiment.

To do this it is only necessary for me to assume that everyone—at least everyone interested in horticulture—knows that, so far as seed bearing plants are concerned, they will reproduce their species in some shape or form—may be with some variation, or may be exactly similar. And it follows that, by the fertilization of different varieties of the same species, new varieties, or at least varieties with some distinctive feature may be produced. It is a different matter, however, to reduce the chaos, which results from indiscriminate cross-fertilization, to something like definite order—a result far beyond my ambition, or the scope of this paper, if indeed it is at all possible. All I can do in this direction, and indeed it is very little, is to give some results of our labors in hybridisation.

We began work in 1879, and naturally our first operations were upon what were considered the finest show varieties of that day. Naturally we chose parents of the choicest colors, having beauty of form, and, as far as possible, vigor of habit. The hope of course was, that the fertilization would re-produce varieties of a different kind, with at least, some of the qualities for which the parents had been selected. The results for many years were disastrous. Keen and bitter disappointment followed our experiments. We, however, persevered, always upon fixed lines, carefully recording our crosses and results, making a careful and close observation of the most important features of the offspring of the cross; and I regret to say that, in the majority of instances, there was nothing but dismal failure to record. I think I can safely say that the most certain result of our crosses in the early stages of our experiments was to convince us of the absolute uncertainty of what our results would be—this prevails even now, though in a lesser degree. Possibly this is one reason why rose-hybridisation is so intensely interesting. There is always and ever the element of uncertainty in it so dear to human nature. One never knows what the fertilization to any two varieties will produce, or more correctly—how many different varieties. One seed pod containing four seeds may—and has to my knowledge—produced four seedlings absolutely distinct in

every conceivable respect. Many and many a time I have seen produced from the seeds sown from one hip, half a dozen seedlings absolutely distinct in color and form, some as single as the ordinary dog rose, and some so full in substance that it was impossible to get them to open even under glass.

#### A New Ideal.

In the early eighties, when we began to see the results of our labors, we abandoned the original basis of our experiments, namely, the fertilization of the better varieties of Hybrid Remontant or Perpetual, and began a series of cross-pollination between the Hybrid Perpetual and Teas and Austrian Briars, and then, using the results of this first cross in a systematic course of in-breeding. The main object which we had in view, was to produce varieties of roses at once vigorous in their habit, continuous in their bloom, at the same time retaining the absolute essentials of all good roses, namely, beauty of color, perfection of form, and delicacy of perfume. It was, of course, a great ambition, and how we have succeeded we must leave the world to judge. Broadly, I would say that such success as has attended our labors, is due far more to the careful selection than to any defined plan of fertilization. As a broad basis of our experiments, we took as parents such varieties as appeared to us to embody the chief elements of our ideal, and worked steadily from these. We had, of course, to experiment upon a very extensive scale, and my point will be readily appreciated when I say, that we were only able to retain for use, either for further fertilization or for commerce, about 5 per cent. of the seedlings raised. To appreciate the labor this entails upon the hybridiser one must follow the rose from the hip until it reaches maturity. In hybridisation, carried out upon a systematic plan such as ours, it means that the plants with which we are working, have to be specially selected, planted and grown, and the blooms fertilized. There is then the period required to ripen the hip, (and in Ireland this takes considerable time, owing to the cold and dampness of our climate). Then comes the sowing of the seed, and the attention and care during the period of germination.

#### Some Uncertainties.

In this respect, it is interesting to note the wide differences in the period of germination in the different cases. In some instances, the seed will germinate in two or three months, and in others I have known it to lie dormant for twelve to fifteen months. (I have never been able to give any reason why this should be so, and particularly why there should be marked differences in the periods of germination in seeds taken from the same hip, yet there is very frequently a marked difference). To continue on the point I am making, it takes anywhere from three to six months according to the vigor of the plant, to bring it to such amount of growth, as will enable us to bud it for the purpose of testing outside. Then, when it is budded of course it takes a full year to bring the plant to maturity. Here again, one has to face uncer-

tainties, and to be very careful about forming a judgment, as experience has proved time and again, that in the early stages of culture some varieties have displayed the greatest shyness in flowering, and yet, after a few years cultivation, have taken their places in the front rank, as perfect garden roses, blooming with the greatest freedom. Each year we are compelled to make a very close selection, and to discard every seedling which does not suggest some improvement in, at least, one or two of the essential elements of the perfect rose, otherwise we would, of course, have been flooded out with varieties, which would have been of no practical value to us, or indeed to the rose world at large.

#### System in Crossing.

The system we ultimately adopted was hybridisation in the first instance between hybrid perpetual and teas, and then inbreeding from their offspring upon the following lines. We made four distinct crosses. We took a seedling of our own, which gave some evidence of possessing at least some of the qualities aimed at, and, in the first instance, this seedling was crossed with the male parent; secondly, the seedling crossed with the female parent; thirdly, the male parent crossed with the seedling; fourthly, the female parent crossed with the seedling. As soon as we were able to form an opinion of the results of this inter-breeding, we again made a selection of those most closely approaching our ideal, again in-breeding, but with this difference, that we only made use of a limited number of parents, but in almost every instance making a double cross. For example, if we made a seedling with, say, Marie Van Houtte as the male parent, then during that season we reversed the cross, making Marie Van Houtte the seed bearing parent, and the seedling the male parent. We always had relays of plants prepared in duplicate for this purpose, and we carefully and methodically registered each experiment, thus carrying on our work in a systematic manner, the system of selection of course always playing the most prominent part in the results. From practical experience we were able to ascertain which varieties, or rather types, gave us the best results, and we were, therefore, able to a considerable extent to lessen the waste, and to reduce our methods to a system containing at least some elements of certainty. We, of course, have made use of varieties of other raisers, where we have been struck by any special feature which they contained, which was in our opinion an advance upon anything in commerce.

#### Some Interesting Results.

The result of our labors has been to produce what is admittedly an absolutely distinct class, if not family, of roses known as the "Alex. Dickson type." We of course claim that the types of roses we have introduced have made a great advance on those previously in commerce. We aimed at producing a type having vigor of growth, freedom and continuity of bloom, the flower full and perfectly formed, with unusually long petals, at the same time, growing on bushes,

the foliage of which is luxurious and handsome. How far the varieties we have sent out have done what we claim for them, you must judge.

In our experiments and in struggling with the qualities we have indicated, we felt convinced that La France would prove one of the most useful parents we could possibly have, if we could succeed in making it produce seed. It was, of course, the opinion of most hybridisers that La France was sterile, and with this opinion we were for a long time inclined to agree, and indeed the best that could be said for it is, that there is just the possibility that it may be fertilized. Out of many hundreds of crosses with this rose, only in one single instance did we succeed in making it produce seed, but we feel that the labor we spent was amply repaid, as the ultimate result of it, was the introduction of Mrs. W. J. Grant, known to you as Belle Siebrecht, in our opinion one of the finest roses in cultivation, at least from the Britishers' standpoint. In addition to this, we have always found from practical experience, the roses descended from this particular cross have always impressed their offspring with some at least of the more prominent qualities of the parents, and it was pursuing this particular line of breeding that enabled us to produce varieties, which, from a British standpoint, are ideal exhibition flowers, and at the same time the plants are floriferous and of excellent constitution. In this group we might mention Kilmarney, Mrs. Edward Mawley, Bessie Brown, Liberty, Lady Moyra Beaucherc, Lady Ashtown, Mrs. David McKee, Dean Hole, Countess of Derby, Betty, Mrs. G. W. Kershaw, and, last but not least, Mildred Grant and William Shean, two of the finest exhibition roses at present in cultivation in Great Britain. Mildred Grant resulted from a seedling between Niphetos and Madame Willermoz in the first instance, crossed with a seedling of our own, which is not in commerce, and the system of which this is an instance applies pretty generally to all the better classes of roses introduced by us.

## The Framingham Nurseries

Offer a large and selected stock of the following varieties of

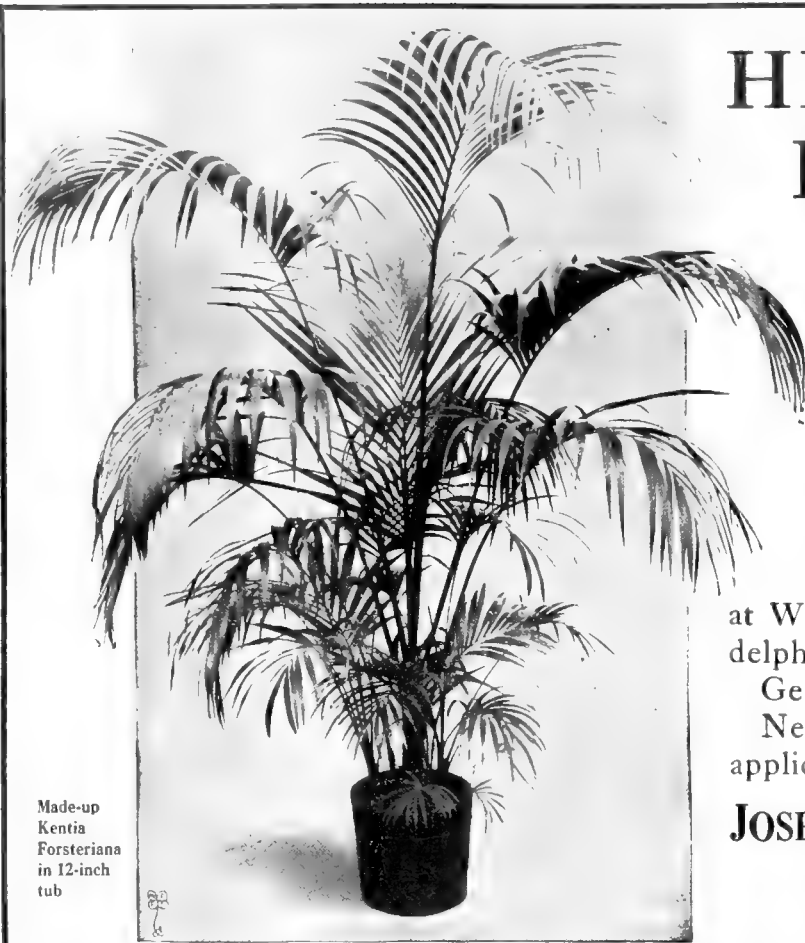
## EVERGREENS

Abies Balsamea, Concolor, and Fraseri, Junipers of various varieties, Picea Alba, Engelmanni, Excelsa, Pungens clauca, and Pungens Kosteri, Pinus Strobus, Excelsa, Mucro, Ponderosa, Resinosa, and Serotina; Pseudo Tsuga Douglasii, Retinospora, assorted; hardy Taxus, s. l. and Canadensis, Cupressata, and brevifolia Thuja, O. identalis, Globosa, Peabody's Golden, Pyramidalis, and Siberica; Tsuga Canadensis, Hemlock Spruce, a large and fine lot.

We have some fine specimens of Abies concolor, Pinus Pungens, and Pinus strobus. Most of the above varieties can be safely planted from the middle of August until the middle of September. A personal selection is always advisable. Boston and Worcester Electricians pass our grounds.

#### ADDRESS

**W. B. WHITTIER & CO.**  
South Framingham, Mass.



## HEACOCK'S KENTIAS

A typical specimen of which is shown herewith, are the standard of perfection in Kentias, from the Atlantic to the Pacific.

Our stock consists of strong, healthy Kentias of graceful habit and splendid vigor,—free from disease.

A visit to our greenhouses at Wyncote (25 minutes from Philadelphia) will convince you.

Get your orders in early—it pays.

New wholesale price - list sent on application.

**JOSEPH HEACOCK COMPANY**

*Rose and Palm Growers*

**WYNCOTE, PA.**

### "BACK TO THE FARM."

There comes up the usual prescription at this time of a tight money market and a more or less cessation of activity in all lines of business. This is the cry of "back to the farm." The first thing everybody seems to think of is, why not turn all the unemployed thousands loose on the farm and let them help out the poor farmer in this period of few farm hands.

But it seems to me that this is an unwise agitation. In the first place, farming is a scientific occupation (not an "art" as some would have us think), requiring knowledge, intelligence, and capability. That many make a living at so-called farming, simply emphasises the broad scope of the business and indicates the possibilities for abusing an industry capable of giving returns under mismanagement and neglect.

For artisans, clerks, and ordinary laborers—the usual classes affected by hard times—to think of farming is laughable, and at the same time pathetic. To put them on a farm would be actual hardship to them as well as to the farmer. Even with their work planned for them, one need bring to mind a picture of a clerk plowing a uniform furrow or a hod carrier pick-

ing red raspberries at anything like average speed, to see how ridiculous the idea is.

But the main point, it seems to me, is that few of these men would turn to the farm for an indefinite time. It would be only during the period of inactivity in their respective lines, and as soon as business picked up they'd be off to the old life once more.

For this reason the farmer will go slow about getting such men at work too quickly. He can be no better off after the men leave, and he may be worse off. The proper handling of stock and land is absolutely essential to maximum results, and it is far better to pay good wages to regular help for the time being, than to rely on such a nondescript supply as a city would send out.

R. L. ADAMS.

### MILDEW.

Mildew is the bane of plant forcers, whether for flowers or fruit. Being a parasite fungus, having as its host the plants of our greenhouses, both commercial and private, its control is one of the vital problems confronting the grower. The problem is rather a peculiar one, since, both being plants, death to the one means death to the other. Mildew yields to the fumes of sulfur, and is more susceptible than the host. Hence the question becomes

one of getting the sulfur fumes into the house when, where and of the strength needed. Three methods have been used, painting sulfur on steam pipes, vaporizing it in one of the various devices, home made or bought, or dusting it on the bushes themselves. Painting the pipes is not satisfactory; the fumes go all through the house, fading or defacing the product; they are in the house for a long time, and are equally distributed in all parts, whether needed or not. Steam must be used to start them; when mildew is rife during the summer, steam is a detriment. The different vaporizers, ignoring the fact that sulfur when heated to the kindling point will burst into flame, have in them a great source of danger, and, being stationary, if they do "go wrong and take fire," much damage is done before they are discovered or can be put out, for burning sulfur is very difficult to extinguish, and people cannot endure the resulting fumes if strong. When dusted on the bushes it becomes necessary to make the fumes effective, to take off all ventilation and raise the temperature greatly. No comment on this is necessary.

Taking all these into consideration, a device has been worked out and patented which, it is claimed, will make mildew and its attendant evils things of the past, and does away with the bad results of successive and prolonged heat and fumigation, in forcing out the buds and fading them. This promising new device will be advertised in the next issue of HORTICULTURE.



# CHRISTMAS-FLOWERING SWEET PEAS

## NOW READY

### Introductions from 1907

**MRS. ALEX. WALLACE.** Lavender. This variety is without doubt the best in a lavender, every florist has been pleased with it, and the flowers keep for nearly one week without losing their fine color.

**MRS. Wm. Sill.** Pleasing salmon pink; very popular with the retail florist, a good seller.

**Mrs. F. J. Dolansky.** Daybreak pink. While not as large as the others the color takes well.

**Le Marquis.** This is the same color as Princess of Wales violet; has very large flowers, and sells well where a dark blue Sweet Pea is wanted.

**XMAS PETEOR.** Scarlet, fine open red flower.

**Jack Hunter.** Light yellow. Sold out.

**Xmas Captain.** Blue and purple. The same as Captain of the Blues.

**Mrs. Chas. H. Totty.** Sky Blue. In best shape for late planting, or when in crop in March and April.

**Miss Josie Reilly.** Lilac. Very large flowers.

**Wm. J. Stewart.** Blue self.

All these varieties produce steadily immense quantities of flowers throughout the Winter, with from two to five flowers on stems up to 25 inches in length, all growing over 7 feet high and, when well grown, reaching the height of 12 feet.

Price, 1 oz., 50c.; 2 oz., 75c.; 1 lb. \$5.00.

**WINTER FLOWERING MIXTURE.** Over 25 colors, mixed, 1 lb. \$2.00.

### Standard Varieties

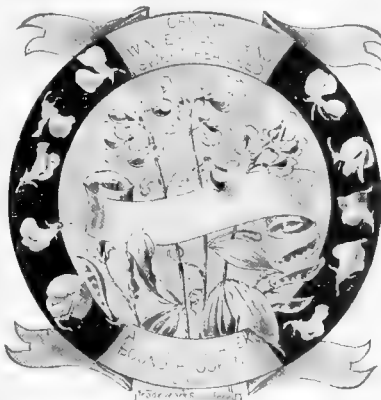
**XMAS PINK.** The most popular Sweet Pea in existence the past sixteen years.

**FLORENCE DENZER.** Pure white; has been ten years in commerce and improves yearly.

**Mrs. E. Wild.** Carmine or dark pink.

Price on the above three varieties: 1 oz., 30c.; 2 oz., 50c.; 1/4 lb., 75c.; 1 lb., \$2.00.

**WATCHUNG.** Pure white; black-seeded; short grower, seldom exceeds six feet in height and a very good sort when head room is limited. 1 oz., 30c.; 1/4 lb., 75c.



None genuine unless this Trade Mark is stamped on the Packet

If some one tries to sell you so-called Winter Sweet Peas without this Trade Mark, send back his Lemon.

### Novelties for 1908

#### NEW CROP READY IN SEPTEMBER.

**Mrs. W. W. Smalley.** A pleasing satin pink; flowers are very extended, while the stem is not extremely long. Behind every leaf comes a good salable flower with a good color from early in Fall until late in Spring. This will be found a very good commercial variety in light pink.

**Mrs. Geo. Lewis.** White-seeded. Pure White. Very large orchid or wavy flower. I think it will outclass Florence Denzer in a few years.

**Greenbrook.** White, standard, slightly touched with lavender. Very large orchid flowering.

**Miss Helen M. Gould.** White, open flower; standard, lilac, marbled.

**Mrs. Hannan.** Deep rose pink of a very pleasing shade, medium flower.

Price, each trial packet containing 100 seeds, 25 cents, 1 oz., \$1.00.

Orders from unknown parties must be paid in cash or by New York draft.

Foreign customers will please send remittance either by International Postal Money Order, or by draft on a New York bank.

All orders are filled strictly in rotation, and mailed as soon as the new crop of seed is ready.

**HENRY F. MICHELL CO., Philadelphia**

AND  
**W. W. RAWSON CO., Boston**

Are selling my seeds this year.

**ANT. G. ZVOLANEK, Originator, Bound Brook, N. J.**

## CARNATIONS

**F. DORNER & SONS CO.**

La Fayette, Ind.

**100,000 Field-Grown CARNATION PLANTS**

Ready Aug. 15th

CHICAGO CARNATION CO., JOLIET, ILL.

A. T. PYFER, Mgr.

**JOHN E. HAINES**

Bethlehem, Pa.

Imperial variegated } Per 100 Per 1000  
Pink Imperial, Pink } \$6.00 \$50.00

Place your orders early for Jan. delivery.  
Cash with order please.

## CARNATION PLANTS

5000 Enchantress, 1000 Rose Enchantress, 1000 Bountiful, 5000 good Scarlet Seedlings: All at \$1.00 per 100, \$50.00 per 1000. 1000 Boston Market, 400 Enchantress No. 2, 2000 Fenn, 4000 Queen, 2000 White Lawson: \$4.00 per 100, \$35.00 per 1000. Also 400 Grafted Bride Roses at \$10.00 and 300 Pres Carnot at \$4.00.

**WORCESTER CONSERVATORIES**

L. C. MIDGLEY, PROP.

Worcester, Mass.

## FIELD GROWN CARNATIONS

**Immediate Delivery**

For prices and varieties address

**CHARLES H. TOTTY, MADISON, N. J.**

## FIELD CARNATIONS

### High Land Grown

	Per 100
Rose Pink Enchantress . .	\$6.00
Enchantress . . . . .	6.00
Lady Bountiful . . . . .	6.00
Harlowarden . . . . .	5.00

### Splendid Plants

	Per 100
White Lawson . . . . .	\$6.00
Pink Lawson . . . . .	6.00
Red Lawson . . . . .	6.00
Robert Craig . . . . .	6.00

Stock Now Ready for Shipment

**UNITED STATES CUT FLOWER CO., Elmira, N. Y.**

## BAY STATE

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

Now Booking Orders for Next January Delivery.

Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000

**ALBERT ROPER, Tewkesbury, Mass.**

## LAWSON ENCHANTRESS

The Enchantress with the Lawson Color

Field grown plants, extra fine for shipment at once. Satisfaction guaranteed. \$12.00 per 100, \$100.00 per 1000. ENCHANTRESS \$6.00 per 100, \$55.00 per 1000. Cash with order or satisfactory reference.

**THE CHAS. KNOFF FLORAL CO., Richmond, Indiana.**

**BEWARE** — of the — **Advertise! Advertise!** Space in Horticulture is reasonable and effective. Try it and you'll have no surplus to throw away.

## Seed Trade

Leesley Bros., who have thirty-five acres of onion sets near the Harlem race tracks, Chicago, reports the crop outlook very favorable.

L. W. Bowen, president; H. K. White, vice-president; D. M. Ferry, Jr., treasurer; K. B. White, secretary; A. E. F. White, auditor, constitute the new officers of D. M. Ferry & Co., Detroit, Mich., elected on July 21.

One exception to the generally light crops has been beans, and in many sections they could not be sold for the cost of picking. This means much seed in the hands of the farmers, a fact worthy of note by the retail seedsman.

Harvesting of Alaskas, and other early peas, is now in full swing, and we may soon look for something approaching definite news as to the general crop. That it will be disappointingly short may be taken for granted, but here we must rest for the present.

The acreage in potatoes on Long Island was the largest ever planted, our estimate last spring placing the yield at one million barrels. Such a yield would have meant low prices, but though the yield has been most disappointingly short, prices have been fairly good, and this is about the only balm in Gilead.

Truck farmers are having a hard time of it this season, as not only are crops light, but the quality is generally poor and prices are low. Those seedsmen who have a large clientele among these people are having their own troubles this year. They report collections as very unsatisfactory, as most early crops have brought very light returns and the farmers have little money with which to meet their obligations, and the seedsman must wait.

To add to the troubles of the seed growers, a new plague has appeared, in the shape of a louse or bug, which has attacked the Lima beans in California, and particularly the Burpee's Bush. Just how serious this is going to prove cannot be stated at this time. So far as the trade knows, this is the first year this plague has appeared, at any rate in destructive shape, and all will earnestly hope it is not going to abide with us. We already have troubles enough without the addition of this latest nuisance.

Reports of scorching heat and hot winds came from the West and the improvement noted in sugar, corn and vine seed crops in last week's HORTI-

## GIGANTIC PANSIES

Can only be produced from the Giant Strains. Our CHALLENGE PANSY seed contains only the Giant self colors, the Giant Striped and Variegated and the Giant Blotched, all carefully mixed in proportion. You could not buy better seed if you paid \$100 per Ounce.

### PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{8}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

*We also offer pansy seed in separate colors.*

*Write for special price and catalogue.*

### ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

## C. C. MORSE & CO. 48-56 JACKSON ST., San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

### ONION, LETTUCE, SWEET PEAS,

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

CULTURE have been nullified by the more recent uncomfortable weather. Hot winds are the special dread of farmers in the grain producing states, and if conditions do not speedily change, irreparable damage will be done. The sensational advance in the price of corn, wheat, oats and other grains of the past few days is strong evidence of this.

### ASPARAGUS PLUMOSUS NANUS

Extra Strong Seedlings, ready for 2 1-2 in. pots. Per 100, \$1.50; per 1000, \$12.00.

O. V. ZANGEN, HOBOKEN, N. J.

... Ask for my new wholesale list ...

## TO OUR FRIENDS

If you attend the S. A. F. Convention at Niagara Falls we would be pleased to have you inspect our exhibit of

### Gladiolus Blooms

We think we have a collection of named varieties that will astonish you.

Yours very truly,

JOHN LEWIS CHILDS

Floral Park, N. Y.

## ANGLO-AMERICAN MUSHROOM SPAWN.

"Made Direct from Spores"

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

ANGLO-AMERICAN SPAWN COMPANY  
Kennett Square, Pa.



# YOUR CATALOG <sup>IS</sup> YOUR REPRESENTATIVE

*Have You Considered Its Appearance As A SALES PRODUCER?*

Does it hail new and hold old customers?

Does it represent your goods adequately and attractively — or is it printed on thin, transparent paper which sets at naught the most expensive printing?

*If the Paper is not the best your Catalog can't be best.*

Our specialty is **Best Catalog Paper.**

Let us prove our claim by sending you samples.

**Geo. W. Wheelwright Paper Co.**  
95 Milk Street, Boston

Makers Of **B.P.F. and B.S.C.**  
The Best Catalog Papers

## Thorburn's Seeds

NOW READY

Seeds of our Magnificent Strain

**Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.**  
Cineraria, Pansy, etc.

Roman Hyacinths,

Bermuda Easter Lil es  
Narcissus Paper White Grandiflorus  
Freesias, Callas, Liliun Formosum, etc.

Send For Our Trade List of Bulls etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

## THOMPSON'S MANURE

Specially prepared for Sleepy  
Chrysanthemums, 25 lbs. \$3.75

**WM. ELLIOTT & SONS,**  
42 VESEY STREET, - NEW YORK.

## PANSY SEED

Michell's Giant Exhibition

A Giant Strain which we have secured from the leading Pansy specialists in Germany, England and France.  
This strain cannot be excelled.

Per Trade Pkt. \$0 50  
" 1-8 Oz. .75  
" Oz. 5.00

**MICHELL 1018 MARKET ST. PHILA. PA.**

TO CATALOG MAKERS.

We are able to quote a low price on the majority of the electros of the illustrations in HORTICULTURE.

Prices quoted in these columns are for Dealers Only. When writing to Advertisers Please Mention HORTICULTURE

## SWEET PEAS

For THANKSGIVING and CHRISTMAS

Boddington's strains have been used by a legion of satisfied customers for years.

EARLIEST FLOWERING, LONGEST STEMS, TRUE TO NAME

	Oz.	¼ lb.	½ lb.	Lb.
BODDINGTON'S SNOWBIRD, by far the best and earliest forcing white.	20c	75c	\$1.25	\$2.00
BODDINGTON'S CHRISTMAS PINK, the earliest and most profitable pink.	10c	40c	60c	1.00
BODDINGTON'S CHRISTMAS WHITE, a companion to Christmas Pink, just as free.	10c	40c	60c	1.00
BODDINGTON'S CANARY, similar to Snowbird in habit, fine yellow FLAMINGO. (New) magnificent scarlet, very early, crop short, offered in packets only, Pkt. 35c; 5 pkts. \$1.50	30c	\$1.00	1.50	
FLORENCE DENZER, pure white, similar to Christmas White.	10c	40c	60c	1.00
WATCHUNG, pure white, height 6 ft.	20c	75c	1.25	2.00
MRS. ALEXANDER WALLACE, Lavender, the best variety in this color.	50c	1.50	2.75	5.00
MRS. WM. SIM, Salmon Pink, a most profitable variety.	50c	1.50	2.75	5.00
MRS. E. WILD, Carmine Red.	30c	75c	1.25	2.00

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, - NEW YORK CITY

BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - CALIFORNIA**

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

Harrisii and Longiflorum, Freesias

French and California Grown.

ALSO PURITY FREESIAS AND OXALIS.

Now in and Ready for Delivery.

**H. E. FISKE SEED CO.**  
12 Faneuil Hall Sq., BOSTON, MASS.

## CAULIFLOWERS CABBAGE

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

STOKES'

## Standard Pansy Seed

The finest to be had. Trade Packet, 50c.; 1-2 oz., \$3.25; Oz., \$6 00. Send for Special Circular.

Get My Prices on

FRENCH & DUTCH BULBS.

When everybody is reducing his plantings perhaps it is a good time for you to pull up a little. Ain't it?

**STOKES' SEED STORE**

219 Market St., Philadelphia

## BRECK'S SEEDS

For Farmer, Market Gardener and Florist

New Crop High Grade

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

## JUST ARRIVED

LARGE SHIPMENT OF

## High-Grade SCOTCH SOOT.

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**

32 & 33 So. Market St., BOSTON

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M.C. and J.E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### CHICAGO PERSONALS.

Frank Oechlin has gone on an eastern trip and will visit New York, Philadelphia and other cities and expects to return in time to join the Chicago delegation to the Niagara convention. Among the vacationists are the following: J. C. Enders of Poehlmann's, in Wisconsin; J. J. Soper, of Rockford, Ill., at Lake Waubesa, Wis.; Miss A. L. Tonner of Randall's leaves for Niagara Falls on Aug. 12; Miss Alice Keegan, of Zech & Mann's, in Wisconsin; A. Zech leaves Aug. 12 for Niagara Falls; Chas. Erne, in Indiana; Miss Lunderman at North Liberty, Ind.; John Bavelchup in Michigan; Jos. Straus of Randall's, Harry Payne of Hinsdale, and Wm. Engbrecht, in Wisconsin; A. L. Randall at his fruit farm, Benton Harbor, Mich.

Chicago visitors: J. C. Archias and brother, the former with Barteldes

### STEAMER DEPARTURES

#### Allan.

Victorian, Montreal-Liverp'l. Aug. 14  
Corsican, Montreal-Liverp'l. Aug. 21  
Virginian, Montreal-Liverp'l. Aug. 28

#### American.

New York, N. Y.-S'hampton. Aug. 15  
St. Louis, N. Y.-S'hampton. Aug. 22

#### Atlantic Transport.

Mesaba, N. Y.-London. Aug. 15  
Minnehaha, N. Y.-London. Aug. 22

#### Cunard.

Ivornia, Boston-Liverp'l. Aug. 11  
Mauretania, N. Y.-Liverp'l. Aug. 12  
Lucania, N. Y.-Liverp'l. Aug. 19  
Saxonia, Boston-Liverp'l. Aug. 25

#### French Line.

La Bretagne, N. Y.-Havre. Aug. 13  
La Lorraine, N. Y.-Havre. Aug. 20  
La Touraine, N. Y.-Havre. Aug. 27

#### Leyland.

Cestrian, Boston-Liverpool. Aug. 12  
Bohemian, Boston-Liverpool. Aug. 26

#### North German Lloyd.

Kronpr. Wm., N. Y.-Bremen. Aug. 11  
Kaiser Wm. II., N. Y.-B'm'n. Aug. 18  
K. Wm. der Grosse, N. Y.-B'm'n. Aug. 25

#### Red Star.

Finland, N. Y.-Antwerp. Aug. 15

#### White Star.

Adriatic, N. Y.-S'hampton. Aug. 12  
Cedric, N. Y.-Liverpool. Aug. 13  
Cymric, Boston-Liverpool. Aug. 15  
Arabic, N. Y.-Liverpool. Aug. 20  
Republic, Boston-Liverpool. Aug. 20

Seed Co., Denver, Col., the latter of Archias Seed Store, Sedalia, Mo.; Mr. Schuman, San Antonio, Texas; Miss Jennie D. Livingston, Grand Rapids, Mich.; J. H. Boelter of Riverside Greenhouses, Appleton, Wis.; John Stamm, Hutchinson, Kans.

### A SWEET PEA COMPETITION.

Thornton Bros. of Lawrence, Mass., inaugurated a very successful sweet pea competition among their customers by offering last spring a prize of a gold watch for the best exhibit of 200 blooms from a half pound of seed purchased at their store. The offer resulted in the sale of two hundred half pounds of sweet peas and the exhibition on August 1 at which time the prize was to be awarded was extensive and beautiful. Messrs. J. K. M. L. Farquhar, M. A. Patten and W. J. Stewart served as judges. The judges were entertained by Mr. Thornton at his home farm which includes a large tract of white pine woods.

### Chicago.

Established in 1857



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK  
"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

JACOB SCHULZ, 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.  
Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

# H. BAYERSDORFER & CO.

*Known to the Trade for the past 30 years as the*

## Representative Florists' Supply House of America

Always first in the market with anything that is new, novel and appropriate.

### WE HAVE PREPARED FOR YOUR NEEDS

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

#### PERSONAL.

Thomas A. Culp, florist, Hannibal, Mo., who has attained a good old age, is critically ill.

Lucien LeClerc has taken charge of the greenhouses of the Western Kentucky Lunatic Asylum at Hopkinsville, Ky.

G. R. Bliss of Corning, Iowa, has been placed at the head of the new horticultural department of Ames State School, Ames, Ia.

Upon invitation of Supt. Theodore Wirth of the Minneapolis Park Board, members of the Minnesota Rose Society visited the rose garden in Lyndale Park on July 22.

Mr. Dysinger, secretary for Holm & Olsen, of St. Paul, Minn., is on his way east to Lockport, N. Y., whence he will go to the S. A. F. convention at Niagara Falls.

Gustav Schneider has resigned his position as manager of the Springfield Floral Co., Springfield, O., and will devote his entire time to his greenhouses on South Centre boulevard and his recent purchase, the Agnew greenhouses, on Johnson avenue.

Visitors in Boston: Hjalmar Hartmann, Copenhagen, Denmark; George F. Struck, New York city; Andrew Wilson, Summit, N. J.; Thos. Waterworth, Panama; F. W. Rice, Rutland, Vt.; R. A. Hannaford, Portsmouth, N. H.; G. W. Pool, Gloversville, N. Y.

#### OBITUARY.

##### John C. W. Greening.

John C. W. Greening, a pioneer nursery man, died at Hillsdale, Mich., on July 21, at the age of 85.

##### Justin A. Goodhue.

Justin A. Goodhue, president of the Utah Nursery Company, Salt Lake City, died suddenly at the Alta club on July 23.

##### John A. McGann.

John A. McGann, who has been connected with the Lischee Nursery at Nashville, Tenn., since 1892, died on July 22, while visiting his son in Alabama. He was 58 years of age.

#### BUSINESS CHANGES.

W. H. Ritter, florist, of Fitchburg, Mass., has leased the greenhouse of G. J. Pethybridge.

Julius Ledig is moving his greenhouses from Seventeenth to Nineteenth street, Des Moines, Ia.

The Bletcher Floral Co. has purchased the retail business of G. E. Tromeey at Cincinnati, O.

Mr. Smith, of Iowa, who has bought the greenhouse of T. Kloss at St. Peter, Minn., will retain J. S. Jacobson as manager.

Mr. L. Schroeder has given up his stand in the Chicago Flower Growers' Market, and Mr. Driskey takes his place, while Mrs. Frank Beu takes Mr. Driskey's stand in addition to her own.

#### COMING EVENTS.

Gypsum, O., State Horticultural Society, Aug. 12.

New York, N. Y., Playgrounds Congress, Sept. 8-12.

Augusta, Ga., State Horticultural Society, Aug. 12, 13.

Niagara Falls, N. Y., Society of American Florists, Aug. 18-22.

Augusta, Ga., Southern Nurserymen's Association, Aug. 19, 20.

Sheboygan Falls, Wis., State Horticultural Society, Aug. 26 and 27.

Niagara Falls, Ont., Canadian Horticultural Association, Aug. 19, 20 and 21.

St. Louis, Mo., American Apple Growers' Congress, Southern Hotel, Aug. 11, 12.

Minneapolis, Minn., American Association of Park Superintendents, Aug. 11, 12 and 13.

New York, N. Y., American Institute of New York, exhibition, Sept. 22, 23 and 24, Berkeley Lyceum Building.

Hartford, Conn., Connecticut Horticultural Society, fall show, Sept. 23; chrysanthemum show, Nov. 3, 4 and 5, Unity Hall.

#### NEWS NOTES.

The Richey Floral Co., of Albion, Ia., have added an office building to their greenhouses.

C. J. McCormack is manager of the new nursery firm recently started in Munroe, Mich.

The stock in the store of Mrs. S. A. Moir, Brockton, Mass., was sold at auction on July 23.

James Swan and Fred Thomas, recently with L. L. May & Co., St. Paul, Minn., have started in business at Hazel Park.

Among other improvements Frank Ochslin of Chicago has laid over 4,000 lineal feet of cement walk through his maze of houses.

It is reported that Napoleon Lemay, a florist of New Bedford, Mass., has recently disappeared after having secured \$500 from his partner, W. Crawford, for one-half the business.

Edward H. H. Stanley, late of Peachland, B. C., and not W. S. Stanley, as stated in our issue of July 18, is starting nurseries at Paynes, B. C., to be known as the Kootonia Nurseries.

The annual meeting of the Florists' Hail Association of America will be held at the Cataract House, Niagara Falls, at 4.30 P. M., on Tuesday, Aug. 18th, 1908.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

**BOSTON**

and all

**NEW ENGLAND POINTS**

**THOS. F. CALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.



**AMERICAN BEAUTIES**

New Crop, \$10 to \$25 per 100

**ASTERS, Fine Assortment**

\$1.50 and \$2.00 per 100

**BRONZE GALAX**

\$7.50 per Case

**The Leo Niessen Company**

1209 Arch St., Philadelphia, Pa.

After June 27th Store closes 6 p. m.

**PLUMOSUS STRINGS**

Extra Heavy

\$40.00 per 100

QUALITY

**S. S. PENNOCK-MEEHAN CO.**

1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

**CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**

MANUFACTURERS

PHILADELPHIA, PA.

**ASTERS**

The second early crop is excellent quality

**W. E. McKISSICK**

WHOLESALE

FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**Rice Brothers**

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

**E. A. BEAVEN**

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

**TOWER HOTEL**

Niagara Falls, N. Y.

Is soliciting your patronage during the S. A. F. Convention.

Very truly yours,

M. J. HOENIG, Prop.

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers**PETER REINBERG**

WHOLESALE

**CUT FLOWERS**

51 Wabash Av., Chicago, ILL.

**AMERICAN BEAUTY and all other ROSES****LILY OF THE VALLEY, CARNATIONS****WELCH BROS., 226 Devonshire St., Boston, Mass.****WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

	CHICAGO Aug. 4	TWIN CITIES Aug. 3	PHILA. Aug. 4	BOSTON Aug. 5
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
" Exquisite.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00
" No. 1.....	10.00 to 15.00	10.00 to 15.00	8.00 to 12.00	6.00 to 10.00
" Lower grades.....	5.00 to 10.00	6.00 to 8.00	4.00 to 6.00	1.00 to 4.00
Bride, 'Maid, Fancy & Special.....	6.00 to 8.00	6.00 to 8.00	3.00 to 6.00	3.00 to 4.00
" Lower grades.....	3.00 to 5.00	3.00 to 6.00	1.00 to 2.00	.25 to 1.00
Killarney, Richmond, Fan, & Sp.....	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
" Lower grades.....	3.00 to 5.00	3.00 to 6.00	1.00 to 3.00	.50 to 4.00
Kaiserin, Carnot.....	5.00 to 8.00	3.00 to 7.00	2.00 to 8.00	.50 to 6.00
Golden Gate, Chateauf, etc.....	4.00 to 6.00	3.00 to 7.00	2.00 to 5.00	.50 to 4.00

**CARNATIONS**

Fancy and Novelties.....	1.50 to 2.00	1.50 to 2.00	2.00 to 2.50	1.00 to 2.00
Ordinary.....	to 1.00	.50 to 1.00	1.00 to 1.50	.25 to 1.00

**MISCELLANEOUS**

Castles.....	40.00 to 50.00	40.00 to 50.00	..... to 60.00	40.00 to 50.00
Lilies.....	..... to 10.00	..... to 10.00	..... to 15.00	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Asters.....	1.00 to 2.00	.75 to 1.50	.50 to 2.00	.50 to 1.00
Gladioli.....	4.00 to 5.00	3.00 to 6.00	3.00 to 4.00	2.00 to 3.00
Sweet Peas.....	.25 to .50	.20 to .50	.50 to .75	.10 to .25
Adiantum.....	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	6.00 to 10.00	10.00 to 15.00	15.00 to 20.00	10.00 to 18.00
Asparagus Plumosus, strings.....	35.00 to 50.00	35.00 to 50.00	..... to 50.00	25.00 to 50.00
" " & Spre. (100 bchs.)	25.00 to 35.00	35.00 to 50.00	35.00 to 50.00	15.00 to 50.00

**J. A. BUDLONG**

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..

**Wholesale Grower of CUT FLOWERS****ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting  
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 58.

**J. B. Murdoch & Co.**

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

**TO BUYERS**

Patronize our advertisers, they will treat you right

## FLOWER MARKET REPORTS

**BOSTON** The ebb tide in business seems to have been checked, but the flood tide has not yet set in to any great extent. American Beauty roses are in good supply at present and are selling satisfactorily. Another rose which enjoys favor, and deservedly so, is Pres. Carnot. These are excellent at present and all that come in are sold. Kaiserin is not doing so well; it is neither so popular nor so good in quality. Of other roses a good many buds from plants set out in June are coming in; although small and short stemmed they are of good color and carry good clean foliage. The first of the out-door carnation crop has made its appearance; stems are very short, but blooms are fine. The supply of lily of the valley is good, but prices are not as high as in other years. Asters are increasing in quantity every day; they are of excellent grade, but prices are going down. Sweet peas are of good quality and abundant. Gladioli are more in evidence; the variety Shakespeare takes the lead and is really better than the price it brings.

**BUFFALO** The market has been very much on the quiet side for the past week or so, but trade has been equal to that of a year ago. Floral work is about the only thing that has carried any demand for stock. A few asters, roses, bunch asparagus and a design is about the way orders are being filled. Beauties are rather scarce and have had a fair demand, while the prices have advanced a notch. Other roses are in good supply, and the select stock find ready buyers. The same may be said of asters and gladioli, the latter coming mostly in mixed colors. There is an over supply on greens, which has had little demand.

**CHICAGO** Chicago cut flower market is feeling the effect of the heat and continued drouth. Carnations are getting smaller each day and in general stock is poor but some really good Lawsons are seen. The red carnation Robt. Craig is also holding up well for August. Beauties and Kaiserins are coming into the market in good shape. Most of the asters are suffering from the long dry spell and sales are based on quality. Several of the market florists have closed their stalls till business opens up again. Notwithstanding all this there is a steady demand for a few good flowers and on the whole business is as good as could be expected in August.

**DETROIT** Reports are that asters arrive a little better in quality and quantity, but growers complain bitterly about the aster disease. The late varieties look quite well, but the early varieties are a failure.

**NEW YORK** Summer conditions are still in control but there is a slight indication of improvement in the local

call for the higher grades of flower. Prices have not changed materially on any line. Orchids, especially cattleyas, and the better specimens of American Beauty have something like a regular sale, but most other subjects have to take what the situation affords at the moment and under such conditions it is very difficult to maintain a fixed value on anything. Many flowers are showing the effects of the recent sweltering weather, and roses, carnations, lily of the valley, etc., run under average quality for this season of the year. Asters are already too plentiful and must be extra good to command quoted figures.

**PHILADELPHIA** Conditions the past week remained about as previously reported. There are a few better asters coming in, but the general run are rather poor and prices have broken badly. The local sweet pea crop is all burned up by the hot weather, but some good northern grown flowers are coming in. American Beauty roses are good sellers and good quality. Kaiserins are also good and fairly plentiful, but are not moving quite so brisk as last week. Other roses are away below par in quality. There is nothing noteworthy to report in other flowers.

### News of Clubs and Societies

(Continued from page 165)

#### FLORISTS' CLUB OF WASHINGTON.

On the afternoon of July 23 the Florists' Club of Washington had its annual outing at Great Falls. Local florists all closed their places of business and there were three car loads of happy excursionists. President F. H. Kramer, Geo. Shaffer and Chas. McCauley were committee on arrangements and they managed to give everybody a glorious good time, including a fine dinner and a series of games followed by dancing, despite a series of thunderstorms which continued until the return to the city at midnight. We quote from a local paper, the reporter for which must be a gem, as follows:

Despite the storm the florists had one of the times of their lives. They simply refused to be outdone by the elements, and, during the afternoon, between showers, the athletic events went on. Truly, a few of the gladiators fell down and left imprints of portly forms in the mud, but who couldn't for the chance to win a bet or a new pair of suspenders?

There was a blare of trumpets at 6, and the aggregation surrounded long tables and did things to a bunch of defenseless edibles spread thereon. After this came dancing, whenever the electrical storm would permit the lights to burn and the music to be heard.

Free Kramer, George Shaffer and Charles McCauley, committee on arrangements, were everywhere, it seemed, at the time. Posing for a photograph of winning the water from once glorious suits, the same grace was noted. Wilbur T. Green and George Cooke also gave a noble display to would be athletes.

John Minder was declared the winner of the sack race, dead easy, until it was found that his sack had holes in the bottom, and that he had loped in unnoted. Mr. Minder consented laughingly to become disqualified, and posed as an also ran. One of the features was the ladies' fifty-yard race, the finals being run by Miss Eva Cook and Mrs. Ed. McCauley. Miss Cook succeeded in going ten yards on the second trial, and fell.

The athletic events opened with a five-round boxing contest between Master Dunn, of Michigan, and Donald Shier, of Washington, both ten-year olds, who fought like grown-ups, and furnished much excitement. Master Dunn was winner, and carried the honors jauntily all the afternoon. Later he did a number of acrobatic stunts amid the applause of the assembled florists.

#### MISSOURI STATE BOARD OF HORTICULTURE.

*Greeting to sister organizations and horticultural workers:*

The State Horticultural Society of Missouri has had an honored career of half a century, holding two regular meetings each year during that time. In 1907, however, it became necessary to reorganize in order to be eligible to receive state aid and the new organization was called the Missouri State Board of Horticulture. The new board will continue to hold two meetings a year—one during the summer at different places in the state and the other in the winter at Columbia.

The board desires to announce that W. L. Howard, of the Horticultural Department of the University of Missouri, has been elected secretary and the headquarters established at Columbia, the seat of the State University, the Agricultural College, and the Experiment Station. Please note change of address.

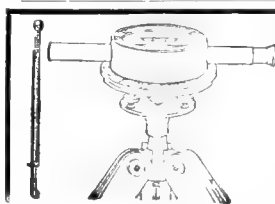
Respectfully,

The Missouri State Board  
of Horticulture.

#### THE INSECT INVASION.

Spraying is now an indispensable precaution if immunity from destructive insects and fungous troubles is sought. Fall spraying is now in order for certain pests. The elm-leaf beetle, for instance, will make a second brood this season in the Boston district and the damage already done by this destructive insect will be greatly increased unless spraying is promptly done. On page 165 of this issue will be found several insecticide offers. Write to those firms for information as to what their preparations will accomplish.

The State Board of Agriculture of New Hampshire held a field meeting at Hampton on July 29.



#### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist SELLING AGENT FOR  
LARGEST GROWERS  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
GARDENIAS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 789 Mad. Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
THE WHOLESALE FLORIST OF NEW YORK  
34 WEST 28th STREET  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending Aug. 1 1908		First Half of Week beginning Aug. 3 1908			Last Half of Week ending Aug. 1 1908		First Half of Week beginning Aug. 3 1908	
<b>Roses</b>					<b>Carnations, Fancy and Novelties.</b>	1.00 to	1.50	1.50 to	2.00
Am. Beauty, fan and sp. ....	10.00 to	25.00	10.00 to	25.00	“ Ordinary .....	.50 to	.75	..... to	1.00
“ extra .....	6.00 to	10.00	6.00 to	10.00	<b>Cattleyas.</b> .....	20.00 to	30.00	20.00 to	30.00
“ No. 1. ....	4.00 to	6.00	3.00 to	5.00	<b>Lilies.</b> .....	4.00 to	8.00	3.00 to	6.00
“ Lower grades .....	1.00 to	2.00	1.00 to	2.00	<b>Lily of the Valley.</b> .....	1.00 to	2.00	1.00 to	2.00
Bride, 'Maid, fan and sp. ....	2.00 to	4.00	3.00 to	5.00	<b>Asters.</b> .....	1.00 to	2.00	1.00 to	2.00
“ lwr. grds. ....	.50 to	2.00	1.00 to	2.00	<b>Gladioli.</b> .....	1.00 to	3.00	1.00 to	3.00
Killarney, Richmond, fancy & spec	3.00 to	5.00	4.00 to	5.00	<b>Gardenias.</b> .....	10.00 to	12.00	10.00 to	12.00
“ lower grades. ....	.50 to	2.00	1.00 to	2.00	<b>Sweet Peas per 100 bunches.</b> .....	2.00 to	4.00	2.00 to	4.00
Kaiserin, Carnet. ....	.50 to	5.00	1.00 to	6.00	<b>Adiantum.</b> .....	.50 to	.75	.50 to	.75
Golden Gate, Chateau, etc. ....	.50 to	5.00	1.00 to	5.00	<b>Smilax.</b> .....	6.00 to	10.00	10.00 to	12.00
					<b>Asparagus Plumosus, strings.</b> ..	20.00 to	25.00	10.00 to	25.00
					“ & Spreu. (100 bchs.)	10.00 to	20.00	10.00 to	15.00

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. New York.

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Groceries and Florists' Requisites

**TRAENDLY & SCHENCK**  
WHOLESALE FLORISTS  
Furnish best stock at fair prices all the year round Send for quotations on fall orders  
Tel. 798-799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 NEW YORK

**A. MOLTZ**  
Will purchase flowers on order in  
N. Y. market and ship carefully at  
prevailing wholesale prices. Address  
55-57 West 26th Street, New York City



# HARDY CUT FERNs

1000. BOX WOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR  
**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in  
Florists' Supplies and Wire Designs.

**383-87 ELLICOTT ST.  
BUFFALO, N. Y.**

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

**84 Hawley St., BOSTON, MASS.**

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

**53 West 30th Street, NEW YORK**

Telephone 2083 Madison

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and  
varnished, 18x30x12, made in two sec-  
tions, one for each size letter, given  
away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers

**N. F. McCARTHY, Manager**  
**66 Pearl Street, BOSTON, MASS.**

**FRANK S. HICKS & CO.**

**Wholesale Florists.**

Open Now for Consignments of Cut Flowers.

**39 West 28th Street, - New York City**

Tel. 2920 Mad. Sq.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**— FLORISTS —**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNS, \$2.00 per M.

**15 Province St. and 9 Chapman Place, Boston, Mass.**

## WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Aug. 3		Aug. 3		Aug. 3		Aug. 3	
ROSES								
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00	20.00	to 25.00
"    Extra.....	15.00	to 20.00	12.00	to 15.00	10.00	to 20.00	10.00	to 15.00
"    No. 1.....	8.00	to 10.00	8.00	to 12.00	6.00	to 8.00	4.00	to 8.00
"    Lower grades.....	4.00	to 6.00	2.00	to 6.00	3.00	to 6.00	2.00	to 3.00
Bride, "Maid, F. & S.....	5.00	to 6.00	6.00	to 8.00	6.00	to 7.00	.....	to 6.00
"    Low. gr.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	.....	to 4.00
Killarney, Richmond, Fan. & Sp.....	6.00	to 8.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
"    Lower grades.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	.....	to 4.00
Kaiserin, Carnot.....	5.00	to 8.00	2.00	to 8.00	2.00	to 7.00	4.00	to 8.00
Golden Gate, Chateauf, etc.....	5.00	to 8.00	2.00	to 6.00	4.00	to 5.00	4.00	to 8.00
CARNATIONS								
Fancy and Novelties.....	2.00	to 3.00	.....	to .....	1.50	to 2.00	.....	to 2.00
Ordinary.....	1.00	to 2.00	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	20.00	to 35.00	40.00	to 50.00	.....	to 75.00
Lilies.....	8.00	to 10.00	10.00	to 12.50	3.00	to 12.00	8.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Asters.....	.....	to 1.00	1.00	to 3.00	.....	to 2.00	.....	to 2.00
Gladioli.....	.....	to 4.00	4.00	to 8.00	2.00	to 4.00	2.00	to 5.00
Sweet Peas.....	.50	to .75	.50	to .....	.20	to .30	.25	to 1.50
Adiantum.....	.50	to .75	1.00	to 2.00	.50	to 1.50	1.25	to 1.50
Smilax.....	.....	to 1.00	15.00	to 20.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings.....	40.00	to 50.00	30.00	to 50.00	40.00	to 50.00	30.00	to 50.00
"    "    & Soren. (100 bchs.).....	.....	to 25.00	40.00	to 60.00	35.00	to 50.00	30.00	to 40.00

**H. G. BERNING**

**Wholesale Florist**

**1402 Pine Street, ST. LOUIS, MO.**

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

**136-138 W. 28th St., New York City**

Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

**Wholesale Contracting, Jobbing, Auction  
HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted.  
**62 Vesey St., NEW YORK**

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000.....\$1.75; 50,000.....\$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers falling to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysert, 28 State St., Boston.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

We have a specially fine lot of Arauca-  
rias—the plants at \$1.00 each are extra  
value for the money.

4-inch.....50 cents each  
5 " .....75 " "

6 " .....\$1.00 each  
Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ASPARAGUS

A. N. Pierson, Cromwell, Conn.

Asparagus Plumosus Seedlings.

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.

For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.

O. V. Zangen, Hoboken, N. J.

Asparagus Plumosus Nanus Seedlings.

For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine  
plants, \$2.50 per 100; \$20.00 per 1000. Cash  
with order or good reference. Erie Floral  
Co., Erie, Pa., or, Wm. F. Kasting Co.,  
385 Ellicott St., Buffalo, N. Y.

## ASTER SEED

Altimo Culture Co., Canfield, O.

For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.

Gloire De Lorraine.

For page see List of Advertisers.

S. S. Skidelsky, 1741 N. 18th St., Phila.  
Gloire De Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1/4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

J. A. Peterson, McHenry Ave., Westwood,  
Cincinnati, O.

Begonias, Gloire De Lorraine, Agatha.

For page see List of Advertisers.

## BOILERS

ROILERS. "Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1133  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Cold Storage Lily of the Valley.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.

Freelias and Lily Bulbs.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.

Fall Bulbs.

For page see List of Advertisers.

K. Velthuis, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

Currie Bros., Milwaukee, Wis.

Freelias.

For page see List of Advertisers.

Stokes' Seed Store, Philadelphia, Pa.  
French and Dutch Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow),  
and Philadelphicum and other native bulbs.

Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.

Field Grown

Carnations Imperial and Pink Imperial.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.

Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

United States Cut Flower Co.,

Elmira, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Aug. Gaedeke & Co., Nashua, N. H.

Carnations, Fair Maid, Queen, Field Grown.

For page see List of Advertisers.

Chas. Knopf Floral Co., Richmond, Ind.

Carnations, Lawson Enchantress, Field

Grown.

For page see List of Advertisers.

Ready Now! 15,000 Fine Field Grown  
Carnations, Lawson, Fair Maid, Enchan-  
tress; \$5.00 per 100; \$40.00 per 1000. Cash  
with Order. Leonard Cousins, Jr., Concord  
Junction, Mass.

## CARNATIONS—Continued

Carnation cuttings of all the leading  
varieties at the same price as any reliable  
firm. Write for prices before you look  
elsewhere. Wm. F. Kasting Co., 383  
Ellicott St., Buffalo, N. Y.

Field Grown Carnation Plants—Enchan-  
tress, Rose Pink Enchantress, Queen, Fair  
Maid, H. Fenn, White, Variegated, Red,  
Light Pink and Pink Lawson, \$5.00 per  
100. R. D. Kinball, Waban, Mass.

CARNATIONS!! FIELD GROWN!!  
Immediate delivery. Enchantress, \$45.00  
per 1000; \$5.00 per 100. Winsor, \$55.00  
per 1000; \$6.00 per 100. Large, bushy,  
healthy plants. Satisfaction guaranteed.  
Cash with order or C. O. D. Wanoka  
Greenhouses, Barneveld, N. Y.

Field grown Enchantress, \$5.00. Cash  
with order. L. E. Marquisee, Syracuse,  
N. Y.

50,000 Field Carnations now ready.  
Were fielded April 1 and are fine and big.  
Very bushy, having been repeatedly topped.  
Long Island grown. Early benching with  
these plants means money next fall and  
winter to you.

Enchantress, Rose Pink Enchantress,  
Lady Bountiful, Queen, White Lawson,  
Lawson, Red Lawson, Robt. Craig, Victory,  
White Perfection, Harlowarden, Prosperity.  
First size, \$5 per 100, \$50 per 1000; second  
size, \$4 per 100, \$40 per 1000.

Novelties—White Enchantress, Beacon,  
Imperial, Bonnie Maid, Aristocrat, Winsor,  
Pink Imperial, Lloyd (New Bedford white),  
\$8 per 100, \$70 per 1000. Cash with order.  
Will book order and hold until you are  
ready.

Harlowarden Greenhouses, Greenport,  
N. Y.

## CATALOGUE ILLUSTRATING

Gatchell & Manning, 27-41 S. 6th St.,  
Philadelphia.

## CATALOGUE PAPER

Geo. W. Wheelwright Paper Co.,  
95 Milk St., Boston.

For page see List of Advertisers.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

R. Vincent, Jr., & Sons Co.,

White Marsh, Md.

For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

Herrington's book on the Chrysanthem-  
um, mailed to your address for 50c., by  
Horticulture Publishing Co., 11 Hamilton  
Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American

Nursery, Bagshot, Eng.

For page see List of Advertisers.

Samuel C. Moon, Morrisville, Pa.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made.  
Write for list. Holton & Hunkel Co., Mil-  
waukee, Wis.

# For List of Advertisers See Page 185



**CYCLAMEN.**

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

**DAHLIAS**

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

**DECORATIVE PLANTS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Saintpaulia, Poinsettias, Primulas, Etc.

For page see List of Advertisers.

**DRACAENAS**

Dracaena Indivisa and Asparagus Sprengeri, very strong, 2 in., \$2.50 per 100; \$20.00 per 1000. Dean Ferris, Peekskill, N. Y.

**ECHEVERIAS**

Echeverias, \$18 per 1000, post paid. McDowell, Mexico City.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Nephrolepis Superbissium.

For page see List of Advertisers.

McHutchison & Co., 17 Murray St., New York.

Young Ferns in Flats

M. H. Rose, 46 Macomb St., Detroit, Mich.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Thos. J. Grey & Co.,

32 and 33 South Market St., Boston.

High-Grade Scotch Soot.

For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New York.

Thompson's Manures.

For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave., Pittsburgh, Pa.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4328-28 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.

For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Red pots, seed pans, etc.

The Peters & Reed Pottery Co., Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh, Md.

New and Standard Varieties

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**GLASS—Continued**

Sharp, Partridge & Co., 22d & Lumber St., Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. E., Newark, N. J.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. E., Newark, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. E., Newark, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

**GREENHOUSE HOSE**

Anchor grade wears well.

Mineralized Rubber Co., New York, N. Y.

S. S. Pennock-Meehan Co., Phila., Pa.

Florists' Hose; Bull-Dog and P. M. Brand.

Henry A. Dreer, 714 Chestnut St., Phila.

Riverton Hose.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.

Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

For page see List of Advertisers.

**HAIL INSURANCE**

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St.

and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange,

88 and 40 Broadway, Detroit, Mich.

Fancy Ferns.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HEATING APPARATUS**

Lord & Burnham Co.,  
1183 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1183 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

F. R. Pierson Co., Tarrytown, N. Y.  
Hydrangea Otaka in Tubes.  
For page see List of Advertisers.

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand, Alba.  
For page see List of Advertisers.

American Everblooming Hydrangea (H. Arborescens Sterilis), strong, nursery grown plants, \$15.00 per 100; \$140.00 per 1000; 8 to 12 in., \$10.00 per 100; \$90.00 per 1000; 5000 for \$400.00. Peonies, a choice collection. Festiva Maxima, strong divisions, \$18.00 per 100; Queen Victoria, \$7.00 per 100. A hundred other good sorts. Lists free. The E. Y. Teas Company, Centerville, Ind.

**INSECTICIDES.**

Nicotelle kills all greenhouse pests.

P. R. Paethboro Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.  
Rose's Eureka For Scale.

Stump & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**JUMPING BEANS**

Jumping Beans, \$5 per 1000, post paid.  
McDowell, Mexico City.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made Up Specimens.  
For page see List of Advertisers.

M. H. Rose, 46 Macomb St., Detroit, Mich.

	Each.	Doz.
Kentia Belmoreana, 6-in. ....	\$1.50	\$18.00
" 7-in. ....	1.75	21 00
" 8-in. ....	2.50	30 00
" 8-in. strong, 4.00	48 00	
" 9-in. ....	6.00	
Kentia Forsteriana, 7-in. ....	2.50	30 00
" 8-in. ....	3.00	36 00
" 8-in. strong, 5.00	60 00	
" 9-in. ....	6.00	72 00
Made-up Kentia Forsteriana ...	6.00	72 00
Witthold Co., 1657 Buckingham Place, Chicago, Ill.		

**LOBELIAS**

Double Lobelia, Kathleen Mallard, 24 in., 4c. Strong cuttings from soil, all full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway,  
New York.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Anglo-American Spawn Co., Kennett Square,  
Penna.

For page see List of Advertisers.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hill's, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.

For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

Holland Nursery Stock for Forcing.  
For page see List of Advertisers

American Nursery Co., 150 Broadway, New York, N. Y.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries  
Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse Lead: Special Greenhouse Putty. Lord & Burnham, 1183 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Orchid peat. Rotted peat, Azalea peat. Leaf-Mould. Live Sphagnum moss. Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

Wm. Mathews, Utica, N. Y.

Orchid Peat.

For page see List of Advertisers.

**PEONIES**

Cottage Gardens Co., Queens, N. Y.  
For page see List of Advertisers.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb

**PEONIES — Continued**

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

Peonies, largest collection anywhere, 1200 sorts, big stock of Couronne d'Or, Felix Crousse, O. Demay, etc. C. Betscher, Canal Dover, Ohio.

PEONIES. Humei, a beautiful pink, \$6 per 100. Ivory, fine white, \$8 per 100. Write for our catalogue of novelties. Wagner Park Conservatories, Sidney, Ohio.

Peonies, Iris and Phlox. A new catalogue with cultural directions. Cherry Hill Nurseries, West Newbury, Mass.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1183 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.

Mineralized Rubber Co., New York, N. Y.

**PLANT TUBS**

H. A. Dreer, 714 Chestnut St., Phila.

**POINSETTIAS**

Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4328 Olive St., St. Louis,  
Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

**For List of Advertisers See Page 185**

**RETAIL FLORISTS—Continued**

- David Clarke's Sons, 2139-2141 Broadway,  
New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. and Greene  
Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 23th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

- John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

- Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.
- Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.
- The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.  
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- S. J. Reuter & Son, Westerly, R. I.  
Roses Own Roots from Grafted Stock.  
For page see List of Advertisers.
- Wood Bros., Fishkill, N. Y.  
Grafted Roses. Own Roots.  
For page see List of Advertisers.
- Worcester Conservatories, Worcester, Mass.  
Grafted Bride and Carnot Roses.  
For page see List of Advertisers.
- For Sale Cheap. Meteor Rose Plants  
and Smilax, from 2 1/2 in. pots, fine stock,  
will sell at a low price. Brant Brothers,  
Utica, N. Y.
- Low-budded roses, No. 1, \$95.00; No.  
1-2, \$65.00 1000. H. T. Jones, Elizabeth,  
N. J.
- ROSES. On own roots.—Aurora, A. M.  
Souper, Annie Mueller, Cardinal, Etolie  
de France, Franz Dugan, G. Hackness, G.  
McArthur, H. Gould, L. Battersea, Wm. D.  
McKee, Sofrano, Wellesley, 3-inch pots, \$5  
per 100. Bride, La France—Red and  
White; Md. Schwallier, Malmaison, Mamon  
Cochet—Pink and White, Maids, Perle, 3-  
inch pots, \$3.50. A. M. Souper, Apricot,  
Killarney, Gen. McArthur, Sofrano, Souv.  
de P. Notting, Wellesley, H. Gould, S.  
King, Lady Battersea, V. Folkstone, 1 inch,  
\$8. F. E. Willard, Enchantress, M. Neil,  
G. Gate, Maids, Duch. de Brabant, A. M.  
Henrietta, Teplitz, 4-inch, \$6. Wagner  
Park Conservatories, Sidney, Ohio.

**S. A. F. CONVENTION ACCOMMODATIONS**

- Tower Hotel, Niagara Falls, N. Y.  
For page see List of Advertisers.

**SEEDS**

- T. J. Grey Co., 32 So. Market St.,  
Boston, Mass.  
For page see List of Advertisers.
- Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Adee Burpee & Co., Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.
- Arthur T. Boddington, 342 W. 14th St.,  
New York.  
Boddington's Challenge Pansy, also Sweet  
Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.
- H. F. Mitchell Co., 1017 Market St., Phila.  
Pansy Seed.  
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.

**SEEDS—Continued**

- Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Rickards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.
- R. & J. Farquhar & Co., 6-7 So. Market  
St., Boston.  
For page see List of Advertisers.
- Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.
- H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.  
Pansy Seeds.  
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.
- Francis Brill, Hempstead, N. Y.
- Stokes' Seed Store, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.
- C. C. Morse & Co., 48-56 Jackson St.,  
San Francisco, Calif.  
For page see List of Advertisers.

**SPHAGNUM MOSS**

- Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. Lager &  
Hurrell, Summit, N. J.

**SPRAYERS**

- "SHOWERMAKER," \$1. Jos. Kopcsay,  
So. Bend, Ind.

**STEAM TRAP**

- E. Hppard, Youngstown, O.

**STRAWBERRY PLANTS**

- R. & J. Farquhar & Co.,  
6 and 7 So. Market St., Boston.  
Pot-Grown.  
For page see List of Advertisers.

**SWEET PEAS**

- A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

- E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

- Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

- John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

- The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

- Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

- VENTILATING MACHINERY. New  
Model encased, self-oiling gear; Standard  
Model Open Gear. Lord & Burnham, 1183  
Broadway, N. Y.

**VIOLETS.**

- How to Make Money Growing Violets,  
will be sent postpaid for 25c., by Horti-  
culture Publishing Co., 11 Hamilton Place,  
Boston.

- Commercial Violet Culture, by B. T. Gal-  
loway, sent postpaid for \$1.50, by Horti-  
culture Publishing Co., 11 Hamilton Place,  
Boston.

**WIRED TOOTHPLICKS**

- W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

- Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Welgel & Ujfalussy, 136-138 W. 28th St.,  
New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 28-40  
Broadway, Detroit, Mich.

- Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

**WHOLESALE FLORISTS****Boston**

- N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Buffalo**

- Wm. F. Kasting Co., 383-87 Ellcott St.,  
Buffalo, N. Y.  
For page see List of Advertisers.

**Chicago**

- Chas. W. McKellar, 51 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

- Michigan Cut Flower Exchange, 38 and 40  
Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

- Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

**New York**

- J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.
- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New  
York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New  
York.  
For page see List of Advertisers.
- Moore, Hentz & Nash 55 and 57 W. 28th  
St., New York.  
For page see List of Advertisers.
- Frank S. Hicks & Co., 39 W. 28th St.,  
New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St.,  
Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St.,  
New York.  
For page see List of Advertisers.
- A. Moltz, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 23th St., New York.  
For page see List of Advertisers.

**Philadelphia**

- W. E. McKissick, 1619-1621 Ransstead St.,  
Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co., 1209 Arch St., Philadel-  
phia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-18  
Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

**Pittsburg**

- J. B. Murdoch & Co., 714 Penn Ave., Pitts-  
burgh, Pa.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

### WHOLESALE FLORISTS— Continued St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St.,  
New York.  
For page see List of Advertisers.

### WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax; Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### ANNUAL MEETING OF FLORISTS' HAIL ASSOCIATION.

John G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

### EVERGREENS.

W. B. Whittier & Co., South Framingham,  
Mass.  
For page see List of Advertisers.

### GLADIOLUS BLOOMS AT S. A. F. CONVENTION.

John Lewis Childs, Floral Park, N. Y.  
For page see List of Advertisers.

### NEW PEONY CATALOGUE; IRIS; PHLOX.

T. C. Thorlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.

### SWEET PEAS.

A. C. Zvolanek, Round Brook, N. J.  
For page see List of Advertisers.

### LIST OF PATENTS.

- 894,203. Folding Leaf, Flower or  
Spray Stand. Henry R.  
Harvey, Derby, England.
- 894,211. Seed Tester and Propagator.  
Leslie A. Kaump, Sioux  
City, Iowa.
- 894,262. Vegetable Harvesting Ma-  
chine. Albert G. Ellinwood,  
Batavia, N. Y.
- 894,615. Plant Table. Andrew Elder,  
Irvington, N. Y., assignor  
to Lord & Burnham Com-  
pany, Irvington, N. Y.
- 894,629. Fertilizer Distributer. Rob-  
ert L. Graves, Centerville,  
Mass.
- 894,675. Machine for Gathering and  
Topping Onions. Albert E.  
Lundy, Newark, N. Y.
- 894,710. Garden Shears. Walter Sel-  
ley, Manchester, England,  
assignor of one-half to Rob-  
ert Lamb, Manchester, Eng-  
land.

### GREENHOUSES BUILDING OR CONTEMPLATED.

Nutley, N. J.—Wm. L. Jones, one  
house.

Hamilton, Ont.—W. Holt, range of  
houses.

Des Moines, Ia.—Julius Ledig, five  
houses.

Biddeford, Me.—T. W. A. Smith,  
one house.

Montreal, Can.—McKenna & Son,  
conservatory.

Bradford, Pa.—J. W. Leasure,  
house, 20 x 52.

Meriden, Conn.—R. W. Barrow,  
house 25 x 160.

Winona, Minn.—Kirchner & Son,  
range of houses.

No. Germantown, N. Y.—Ephraim  
Snyder, house 24 x 48.

Passaic, N. J.—J. Albers, house,  
20 x 200; J. Lunsted, house, 12 x 100.

Baltimore, Md.—Charles Siegwart,  
additions; H. J. Quick, house, 14 x 60.

Akron, O.—W. P. McFarland, house,  
23 x 130; two carnation houses, each  
23 x 175.

### INCORPORATED.

Wenatchee Valley Nursery Co.,  
Wenatchee, Wash.; capital, \$5000.

Blecher Floral Co., Cincinnati, O.;  
F. L. Hoffman, R. A. LeBlond, A. S.  
Dowling, C. O'Hearn and H. R. Raub;  
capital, \$6,000.

Greater New York Florists' Associa-  
tion, Brooklyn, N. Y.; capital \$5000;  
Jas. A. Dowlen, Jr., John V. Phillips,  
Frank McKee.

George M. Kellogg Flower & Plant  
Co., Pleasant Hill, Mo.; capital, \$30,-  
000; G. M. Kellogg, G. T. Rowe, M. F.  
Parker and others.

Herman Bros. Co., Council Bluffs,  
Ia.; Fred L. Herman, Oscar H. Her-  
man, Louise and Pauline Herman and  
Bertha Gardiner; capital, \$25,000.

## Well

BETWEEN YOU AND ME, What  
do you think of the Buyers' Directory  
and Ready Reference Guide of HORTI-  
CULTURE? I always look it over be-  
fore I do any buying

## READY NOW

### POINSETTIAS

Strong 2½ in. h. pot plants, \$4.00 per 100.

### ADIANTUM CROWNEATUM

Beautiful 2 in. h. pot plants, fine for cutting,  
pot sales or displaying, \$3.50 per 100; \$3.50 per 100.

### ARAUCAIAS

Never had a better lot, 4 in. pot plants, 6 in.  
high, 35¢; 5 in. pot plants, 12 inches high,  
4 tiers, 6 in. h. pot plants, 14 in. h. high,  
3 and 4 tiers, 7 in. h. pot plants, 12 inches  
high, 4 tiers, \$1.

### PRINULA SINENSIS

Fine strain, 2½ in. h. pots, \$3.00 per 100.

THE STORRS & HARRISON CO.,

### PANDANUS UTILIS

2½ in. h. pots, \$2.00 per 100; 4 in. pots, \$2.50  
per 100.

### SAINTPAULIA IONANTHA

(African Violet) etc. Grand pot plant, strong  
3 in. h. stock, \$10.00 per 100.

### FICUS ELASTICA

4 in. h. pot, 10 to 12 inches high, \$2.50 per 100;  
5 in. h. pots, 20 inches high, \$5.00 per 100.

### KENTIA BELTIOREANA

2½ in. h. pot plants for centers of ferneries, \$7  
per 100.

PAINESVILLE, OHIO

## WANTS, FOR SALE, ETC.

Advertisements in this column one  
cent a word. Initials count as words.  
Cash with order. All correspondence  
addressed "care HORTICUL-  
TURE" should be sent to 11 Ham-  
ilton Place, Boston.

### SITUATIONS WANTED

## GOOD MEN

When you need good men,  
skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for  
Florists, Nurserymen, Seedsmen and the  
Horticultural trade generally.

WANTED SITUATION—As forester or  
park foreman. Good references. Address  
B, care HORTICULTURE, 11 Hamilton  
Place, Boston.

### FOR SALE

FOR SALE—At a bargain, greenhouse  
plant, about 10,000 ft., located in Chicago.  
For particulars inquire of Chas. W. McKel-  
lar, 51 Wabash Ave., Chicago.

FOR SALE—A No. 16 Hitching boiler  
used only two seasons. Being removed to  
make room for larger boiler. Apply to  
Edmund Reardon, Cambridge, Mass.

FOR SALE—Retail nursery, sixth year,  
doing good, steady and increasing trade.  
Stock in excellent condition. Only local  
supply for community of 50,000. For  
particulars address R. N., care HORTI-  
CULTURE, Boston.

FOR SALE—Special—Glass for sale be-  
low cost. 16 x 24 double thick American  
A. & B. qualities, below cost, for immedi-  
ate acceptance. Never such an opportunity  
offered before. Write Parshelsky Bros., 50  
Montrose Ave., Brooklyn, N. Y.

FOR SALE—First-class flower store and  
greenhouses in good running order, stocked  
with Decorative Plants, Chrys., etc. A  
good established retail trade in the heart  
of a 28,000 populated city near Boston.  
Lease can be had from one to five years.  
Store has one living room and bath; every-  
thing modern. A good paying place to the  
right party. Only reliable persons need ap-  
ply. Address Walter, care HORTICUL-  
TURE.

FOR SALE—Florist business, store and  
greenhouse in progressive city near New  
York. Full particulars on application.  
Address W. W., care of HORTICULTURE,  
11 Hamilton Place, Boston.

### FOR LEASE

FOR LEASE—Greenhouses, well estab-  
lished; stocked, and all in good condition;  
plenty of land for growing. Murdoch,  
Grigg St., Cambridge, Mass.

FOR LEASE—Lord & Burnham Iron  
House 60 by 160 within Boston city limits,  
all in good condition. Has been used for  
conservations for past four years. Also will  
sell field carnation plants for planting the  
benches. Address C. C., care HORTICUL-  
TURE, Boston.

### WANTS

WANTED—Second-hand heater capable  
of heating 1500 ft. radiation. Also about  
1000 ft. second-hand 2-in. pipe and fittings.  
Franklin Street Conservatories, Derry, N. H.

## List of Advertisers

Page	Page
Advance, The Co. ....187	Manda Jos. A. ....159
Altimo Culture Co. ....158	MacMullin E. A. ....175
American Nursery ....160	McCarthy N. F. & Co. ....179
Anglo-American Spawn Co. ....172	McConnell Alex. ....174
Aschmann G. ....158	McKellar Charles W. ....176
Atlanta Floral Co. ....174	McKissick, W. E. ....176
Bambrick Thos. H. ....184	McManus Jas. ....178
Barrows H. H. & Son. ....158	Meyer J. C. & Co. ....150
Bayersdorfer H. & Co. ....175	Michell H. F. Co. ....173-185
Bay State Nurseries. ....160	Michigan Cut Flower Exchange. ....179
Beaven E. A. ....176	Midgley L. C. ....171
Berning H. G. ....179	Millang Bros. ....178
Boddington A. T. ....173	Moltz, A. ....178
Boston Florist Letter Co. ....179	Moninger J. C. ....186
Boston Plate and Win- dow Glass Co. ....186	Moon Samuel C. ....160
Bosch, Felix. ....159	Moore, Hentz & Nash. ....178
Bostrom-Brady Mfg. Co. ....177	Morse C. C. & Co. ....172
Braslan Seed Growers Co. ....173	Murdoch J. B. & Co. ....176
Breck Joseph & Sons ....173	Murray Samuel ....174
Breitmeyer's J. Sons. ....174	Niessen Leo. Co. ....176
Bridgeman's Seed Warehouse. ....173	Oechslein Frank. ....158
Brill Francis. ....172	Ordenez Bros. ....159
Budlong J. A. ....176	Ouwkerk P. ....160
Burpee W. A. & Co. ....173	Palethorpe P. R. Co. ....185
Carrillo & Baldwin ....159	Park Floral Co. ....174
Cassidy I. ....187	Payne John A. ....185
Castle Co. ....186	Pennock-Meehan Co. ....176
Cherry Hill Nurseries. ....158	Perkins St. Nurseries. ....158
Chicago Carnation Co. ....171	Peterson J. A. ....159
Childs John Lewis. ....172	Pierce F. O. Co. ....187
Clarke's David, Sons. ....174	Piercion, A. N. ....158
Clary's Horticultural Co. ....179	Piercion F. R. Co. ....159
Cottage Gardens. ....160	Piercion U Bar Co. ....188
Cowee W. J. ....179	Peehlmann Bros. Co. ....160
Craig, Robt. Co. ....160	Pulverized Manure Co. ....185
Currie Bros. Co. ....158	Quaker City Machine Co. ....187
Dingee & Conard Co. ....160	Raynor John I. ....178
Doane Geo. B. & Son. ....187	Reed & Keller. ....178
Dorner F. Sons & Co. ....171	Reinberg Peter. ....176
Dreer H. A. ....186-187	Reuter S. J. & Sons Co., Inc. ....160
Dunlop John H. ....174	Rice Bros. ....176
Dysart R. J. ....176	Rickards Bros. ....173
Edwards Folding Box Co. ....176	Robinson H. M. & Co. ....179
Elliott Wm & Sons ....178	Rock Wm. L. Flo. Co. ....174
Elm City Nurs'y Co. ....160	Roehrs Julius Co. ....159
Esler J. G. ....187	Roper Albert. ....171
Ernest W. H. ....185	Roland, Thomas. ....158
Eyres. ....174	Rolker August & Sons. ....185
Farquhar R. & J. Co. ....160	Rose Hill Nurseries. ....160
Fenrich J. S. ....170	Sander & Son. ....159
Fiske, H. E. Seed Co. ....173-185	Schulz Jacob. ....174
Foley Mfg. Co. ....187	Scott, John. ....158
Ford Bros. ....178	Sharp, Partridge & Co. ....186
Framingham Nurser- ies. ....169	Sheridan W. F. ....178
Froment H. E. ....178	Siggers & Siggers. ....186
Gaedeke August & Co. ....158	Situations & Wants. ....184
Galvin Thos. F. ....175	Skidelsky S. S. ....158
Grey T. J. Co. ....173	Smyth Wm. J. ....174
Gude Bros. Co. ....174	Standard Plate Glass Co. ....186
Guttman Alex. J. ....178	Stearns A. T. Lumber Co. ....187
Hall Asso. ....187	Stokes Seed Co. ....173
Haines, J. E. ....171	Storrs & Harrison Co. ....184
Hartmann Hjalmar & Co. ....173	Stumpp & Walter Co. ....185
Hauswirth M. C. & J. E. ....174	Thorburn J. M. & Co. ....173
Heacock Joseph. ....170	Thurlock T. C. ....158
Herbert David & Son. ....160	Totty Chas. H. ....171
Hews A. H. & Co. ....185	Tower Hotel. ....176
Hicks Frank S. & Co. ....179	Traendly & Schenck. ....178
Hilfinger Bros. ....185	United States Cut Flower Co. ....171
Hill, The E. G. Co. ....160	Valentine, J. A. ....174
Hoenig M. J. ....176	Velthuys K. ....159
Horan E. C. ....178	Vincent R. Jr. & Sons. ....158
Houghton & Clark. ....174	Waterer John & Sons. ....160
Hunt E. H. ....185	Weathered Co. ....188
Jacobs S. & Sons. ....186	Weber F. C. ....174
Kasting W. F. Co. ....179	Welch Bros. ....176
Kessler, P. F. ....178	Weigel & Uffalussy. ....179
King Cons. Co. ....187	Wheelwright Geo. W. Paper Co. ....173
Knoop, Char. Floral Co. ....171	Whittier W. B. & Co. ....169
Kroeschell Bros. Co. ....186	Wilson. ....174
Kuebler Wm. H. ....179	Winterson, E. F. Co. ....176
Lager & Hurrell. ....159	Witthold Geo. Co. ....174
Langjahr, Alfred H. ....178	Wood Bros. ....160
Leuthy A. & Co. ....158	Woodrow, Sam'l A. ....179
Lord & Burnham Co. ....188	Worcester Conserva- tories. ....171
Lutton W. H. ....187	Yokohama Nursery Co. ....159
	Young & Nugent. ....174
	Zangen O. V. ....172
	Zinn Julius A. ....175
	Zvolanek A. ....171

## JOHN A. PAYNE

Greenhouse Designer and Builder

260-274 Culver Ave., Jersey City



THE  
PAYNE

Galvanized  
Iron non-  
freezing Z  
Bar Eaves  
Plate is ac-  
knowledgeed  
to be the  
best and the  
most dura-  
ble. No in-  
side drip, no  
sockets to hold moisture  
around wood bars.

Iron and wood frame greenhouses of  
every type—material only or erected.

LET US ESTIMATE.



### NEWS NOTES.

Work on the plant of the Cleveland Iron Company, Marquette, Mich., is advancing rapidly. The additional ground area for planting will be 12,000 square feet. It is probable that the old houses will be torn down eventually.

The trustees of Massachusetts Agricultural College, Amherst, Mass., have awarded the contract for the new building for the horticultural department to Allen Bros., whose price was \$15,515. The contract for the greenhouse was given to Lord & Burnham Co. for \$13,985.

We are able to quote a low price on the majority of the electros of the illustrations in HORTICULTURE.

### Florists' Hall Association of America

The annual meeting of the Florists' Hall Association of America will be held at the Cataract House, Niagara Falls, at 4:30 P.M. on Tuesday, August 18, 1908.

JOHN G. ESLER, Secretary

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be  
free from insects, clean,  
and the blooms will not  
be discolored.

Send for full  
information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



The Best  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/2 " " " 5.25	60 8 " " " 3.00
1500 3 1/2 " " " 6.00	HAND MADE
1000 3 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.80
500 4 " " " 4.50	24 11 " " " 3.60
330 5 " " " 4.51	24 12 " " " 4.80
144 6 " " " 3.16	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of  
Cylinders for Cut flowers, Hanging Baskets, Lawn  
Vases, etc. Ten per cent. off for cash with order. Address  
Hilfinger Bros., Pottery, Fort Edward, N. Y.  
August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

### Standard Flower POTS

If your greenhouses are within 500 miles of  
the Capitol, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

In ordering goods please add "I saw  
it in HORTICULTURE."



Cattle Manure  
In Bags Shredded or  
Pulverized

Best and safest manure for florists  
and greenhouse use, absolutely pure,  
no waste, no danger. Write for cir-  
culars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

?

Is Your Name In The Above  
List? If Not, Why Not?



# The Latest and the Best in Hot Water Heating AN AUTOMATIC CIRCULATOR

(Patent Applied for)

**Works while you sleep.** Should anything happen to the power, putting your forced circulation out of commission, this new device takes up its task automatically. Made with single, double or multiple propellers as our customers desire.

## The New Castle Couplings and Fittings

adapted particularly for Boiler Tubes. Every Joint both on Pipe and Fittings is an Expansion Joint. No more Rust or Screwed Joints. Applicable to Steam or Hot Water System. Can be used on Black Pipe or any other. Any Novice can put it together if he knows enough to handle a wrench. If you have any doubts about this it will cost but 2 cents postage to Find Out.

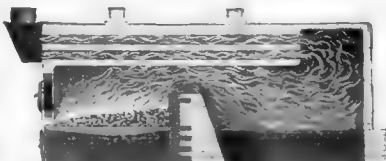
We are still placing the **Castle Boiler** and ready to accept orders for best modern piping systems.  
Hot Water or Steam.

## The Castle Company

Heating Engineers

170 Summer St., Boston, Mass.

### KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.

### STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

**FRENCH OR AMERICAN GREENHOUSE GLASS**

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

**GLASS** Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

### PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



**DREYER'S**  
Florist Specialties.  
New Brand New Styles.  
Hose "RIVERTON"

Furnished in lengths up  
to 500 ft. without seam or  
joint.

The HOSE for the FLORIST  
3/4-inch, per ft. 15 c.  
Reel of 50 ft. " 14 c.  
2 Reels, 1000 ft. " 14 c.  
3/4-inch, " 15 c.  
Reels, 50 ft. " 15 c.

Couplings furnished.  
**HENRY A. DREYER,**  
714 Chestnut St.,  
PHILADELPHIA, PA.

**BOSTON PLATE & WINDOW GLASS CO.**

**GREENHOUSE GLASS**

German and American

261 to 287 A St., Boston 20-22 Canal St.

**S. JACOBS & SONS**  
Manufacturers of GULF CYPRESS

**GREENHOUSE MATERIAL**  
HOT-BED-SASH & FRAMES

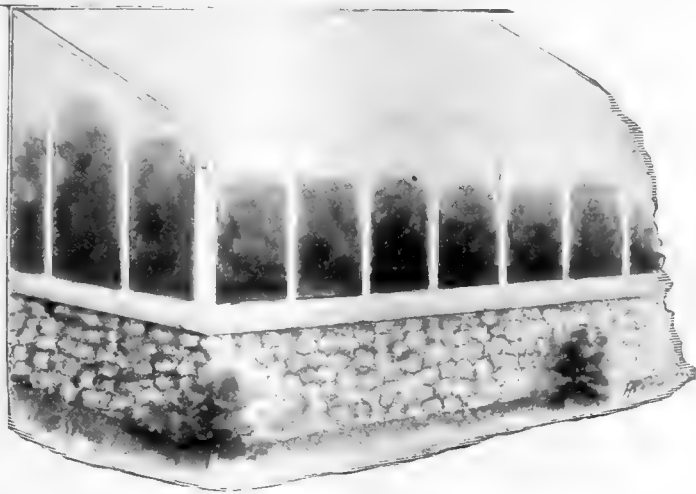
Jobbers in **Boilers-Pipe-Fittings** and

**GLASS** on which we can quote attractive  
prices. Disc. on large quantities.  
We furnish everything for Greenhouse Building  
**1365-1379 Flushing Avenue**  
**BROOKLYN, - NEW YORK**

**GREENHOUSE CONSTRUCTION**  
**LUMBER**

**John C. Moninger Co.**

117 E. Blackhawk St., CHICAGO



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.



### The Advance Ventilating Apparatus

Our new pipe couplings makes the work of coupling up the shafting pipe an easy task. Beats anything on the market. We have other good practical things in our line that our patrons appreciate. Best of material, superior principles, ease of operation and perfection, makes it popular everywhere. Give us a trial. You will come again. They all do.

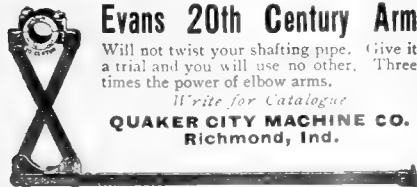
**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts. All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

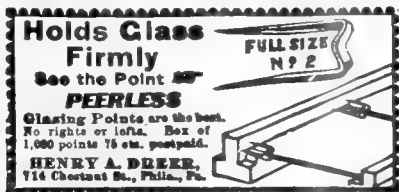


### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



### Holds Glass Firmly

See the Point of PEERLESS

Glassing Points are the best. No rights or infs. Box of 1,000 points 75 cts. postpaid.  
**HENRY A. BREER,**  
114 Chestnut St., Phila., Pa.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

# THE FOLEY MFG. CO.

## CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

*We guarantee our prices will save you money*

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**

NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

Designer and Builder of

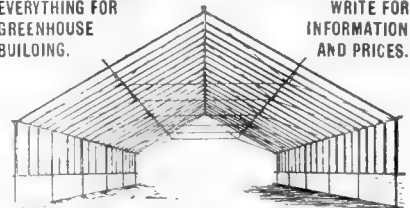
**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.

Newark, N. J.

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



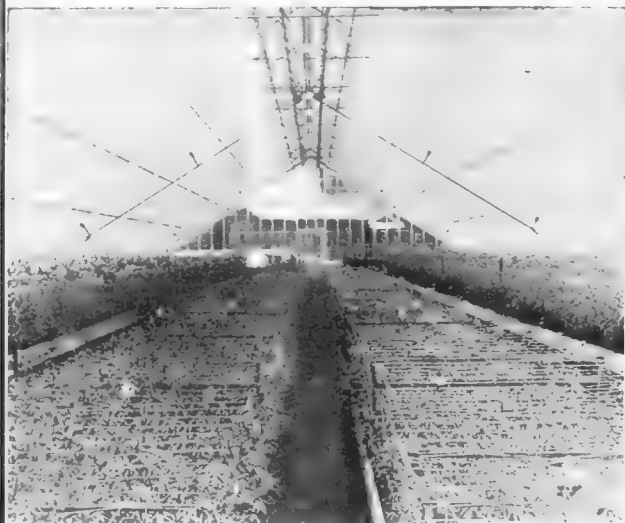
King Greenhouses King Gutters and Eaves. Trussed Roofs. Ventilating Machinery. Trussed Iron Frame Houses. Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.



# THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.  
BY THE

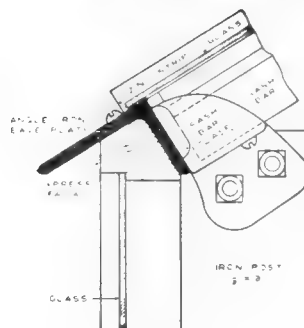
## WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789

NEW YORK CITY, N. Y.



## THIS IS FULLY EXPLAINED

on pages 9 and 10 of our Handy Hand Book. Page 9 gives the reasons for constructing your eave L. & B. way, while on the next page are three illustrations, giving one man's experience with both the other fellow's plate and our plate. A mighty interesting comparison. If you haven't the Handy Hand Book, send for it.

SEND FOR CATALOG

## LORD & BURNHAM CO.

MAIN SALES OFFICE:

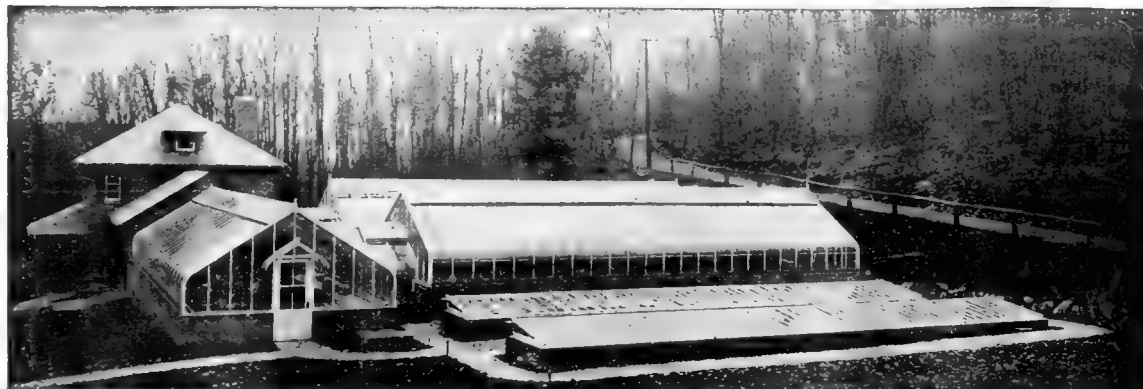
1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## THEY ADMIT MORE LIGHT

because they have wider glass, fewer and smaller framing members, and no gutter at eave. Not only the lightest, simplest, strongest, but the most enduring houses; for attractiveness and productiveness and low cost of maintenance, unequalled.

Send for catalog.

*The ideal construction for private estates, parks, public institutions and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

# HORTICULTURE

Vol. VIII.      AUGUST 15, 1908      No. 7



DEVOTED TO THE  
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS  
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.  
SUBSCRIPTION, \$1 00 PER YEAR



# OUR GUESTS

who found so much to admire in our spacious warehouses and showrooms at the convention in our city of Philadelphia last year are hereby invited to inspect and enjoy the rich display we shall make at

## NIAGARA FALLS

August 18-22

We cannot bring the warerooms, but we can and will bring a sample collection of everything that is new and seasonable in our stock, which means we shall show you

### The Grandest Exhibit Ever Put Up

of useful and novel florists' requisites. The goods will speak for themselves. Many of them are new styles, selected by Mr. Bayersdorfer on his European trip this season and have never before been shown in this country. This display will be the

### Gem of the Exhibition

---

## H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.



# DREER'S CONVENTION MONTH SPECIAL OFFERS

## Cocos Weddeliana

A grand lot of plants in 7-in. pots, elegant, graceful specimens 30 inches high, perfect in every way, something entirely different from what you have been offering to your customers in the decorative line heretofore, and a plant which will appeal to everyone. Price \$3.50 each, also a smaller size in five-inch pots, 24 inch s high, at \$1.00 each.

We are also carrying in stock an elegant line of the usual sizes for Fern Dishes in good shape, 2 1/2-inch pots, 5 to 6 inches high, \$1.50 per dozen, \$10.00 per hundred, \$50.00 per thousand; 3-in. pots, 8 to 10 inches high, \$2.00 per dozen, \$15.00 per hundred, \$140.00 per thousand.

## Our Exhibit at the Convention

During the Convention we will have on exhibition at Niagara Falls, N. Y., a full line of samples.

Our entire staff of travelers will be in attendance and will be pleased to give any information desired, and show samples.

Delegates attending the Convention are cordially invited to stop off at Philadelphia (either going or returning) and inspect our Nurseries at Riverton, N. J., where you will always find something to interest you.

## KENTIAS

Although the stock of Kentias generally is scarce not only in this country but also in the Palm centers of Europe, you will find our stock of nearly all sizes very complete, and all here offered of excellent quality and market value.

### Kentia Belmoreana

	Per doz.	Per 100	Per 1000
2 1/4-in. pots, 4 leaves, 8 to 10 in. high	\$1.50	\$10.00	\$90.00
3 " " 5 " 12 " "	2.00	15.00	140.00
4 " " 5 to 6 " 15 " "	4.50	35.00	
6 " " 6 " 20 to 24 " "	1.00 each		
7 " " 6 to 7 " 26 to 28 " "	1.50		
11-in. tubs, 7 to 8 " 6 ft. high, very bushy	2.00		
11 " " 8 to 9 " 7 to 8 ft. high, very stocky	2.50		

The two large sizes are very shapely, handsome plants, and we are not often in position to offer large plants of Belmoreana at such reasonable prices.

### Kentia Forsteriana

	Per doz.	Per 100	Per 1000
2 1/4-inch pots, 4 leaves, 8 to 10 in. high	\$1.50	\$10.00	\$90.00
3 " " 5 to 6 " 15 " "	2.50	20.00	175.00
4 " " 5 to 6 " 18 " "	5.00	40.00	
6 " " 6 " 20 to 24 " "	1.00 each		
7 " " 6 " 24 to 28 " "	1.50		
7-inch tubs, 6 to 7 " 4 ft. high	4.00		
8 " " 6 to 7 " 4 1/2 to 5 " "	5.00		
9 " " 6 to 7 " 5 1/2 " "	5.00		
10 " " 6 to 7 " 6 " "	6.00		
12 " " 6 to 7 " 6 1/2 " "	7.50		
12 " " 7 " 7 " "	8.00		

The sizes offered at \$1.50 and \$2.00 each are exceptional good value for decorating purpose.

### Kentia Forsteriana—Made-up Plants

	Per doz.	Per 100	Per 1000
7-in. tubs, 4 plants in a tub, 4 to 5 in. high	\$2.50 each		
8 " " " " " 5 to 6 in. high	3.00		
8 " " " " " 4 to 5 in. high	4.00		
12 " " " " " 4 to 5 in. high	5.00		
12 " " " " " 5 to 6 in. high	15.00		

## Begonia Gloire de Lorraine

We are now delivering first class stock of Begonia Lorraine, which have been propagated from leaf cuttings, and will make plants that are much superior to stock grown in the ordinary way. You will make no mistake in placing your orders at once; the stock is certain to please you.

2 1/4-in. pots, \$2.00 per doz.; \$15.00 per 100.

3-in. pots, \$3.00 per doz.; \$20.00 per 100.

## Areca Lutescens

	Per doz.	Per 100	Per 1000
3-in. pots, 3 plants in a pot, 10 to 12 in. high	\$1.25	\$10.00	\$90.00
6 " " 3 " " 14 to 16 " "	1.00 each		

## SEASONABLE FERNS

**ADIANTUM FARLEYENSE.** No thrifty plants from 3-in. pots \$2.00 per dozen; \$25.00 per 100. 4-inch pots \$5.00 per dozen; \$50.00 per 100. 6-inch pots \$12.00 per dozen.

**ADIANTUM CROWEANUM.** The best and most profitable Maidenhair to grow for cutting. Strong 3-inch pots, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

**ADIANTUM HYBRIDUM.** Similar in general style to "Croweanum" and by some growers preferred, we consider it a good second, 3 1/2-inch pots, \$1.00 per dozen; \$8.00 per 100; \$50.00 per 1000.

**ADIANTUM CUNEATUM.** The popular Maidenhair Fern. Strong 2-inch pots, \$4.50 per 100; \$30.00 per 1000.

**MICROLEPIA HIRTA CRISTATA.** Strong 2 1/4-in. pots, \$6 per 100.

**SITIOBIUM CICUTARIUM.**

## Leading and Suitable Varieties for Fern Dishes

Aspidium Thaisense	Pteris Argyrea
Blechnum Occidentale	" Cretica albo Lineata
" Braziliensis	" Hastata
Cyrtomium Falcatum	" Magnifica



For the most complete list of seasonal stock that can be offered in this season of the year, see our current **Wholesale List.** If you have not received a copy it will be mailed to you on application.

*Kentia Forsteriana*

## Areca Verschaffelti

A grand lot of this beautiful Palm, a variety but seldom offered in quantity. Fine strong plants.

4-in. pots, 4 leaves, 10 to 12 in. high, \$3.50 per doz.

5-in. pots, 4 leaves, 12 to 14 in. high, \$4.00 per doz.

## Latania Borbonica

	Per doz.	Per 100	Per 1000
4-in. pots, 4 leaves, 10 to 12 in. high	\$3.00	\$20.00	\$180.00
5-in. " " " " " 12 to 14 in. high	3.50	25.00	225.00
6-in. " " " " " 14 to 16 in. high	4.00	30.00	270.00
7-in. " " " " " 16 to 18 in. high	4.50	35.00	315.00

## Araucaria Excelsa (Norfolk Island Pine)

Our stock of Araucaria is very complete in all sizes. The plants are of good value, and will be found a profitable investment to grow on for winter sales.

Height	Each
4-in. pots, 4 leaves, 10 to 12 in. high	\$3.50
5-in. " " " " " 12 to 14 in. high	4.00
6-in. " " " " " 14 to 16 in. high	4.50
7-in. " " " " " 16 to 18 in. high	5.00

## Araucaria Excelsa Clauca

## Araucaria Robusta Compacta

Height	Each
4-in. pots, 4 leaves, 10 to 12 in. high	\$3.50
5-in. " " " " " 12 to 14 in. high	4.00
6-in. " " " " " 14 to 16 in. high	4.50
7-in. " " " " " 16 to 18 in. high	5.00

## Ferns in Flats

These plants contain 10 plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price, \$2.00 per flat.

**ASPARAGUS PLUMOSUS NANUS and SPRENGERI.** Strong 2 1/4-in. pots, 10 plants per flat, \$1.00 per 100; \$5.00 per 1000.

**DRAENA FRAGRANS.** 3-inch pots, \$1.50 per doz.; \$10.00 per 100. 4-in. pots, \$2.00 per doz.; \$15.00 per 100. 5-in. pots, \$2.50 per doz.; \$20.00 per 100.

**D. MASSANGIANA and LINDENI.** 4-inch pots, \$6.00 per doz.

**D. TERMINALIS.** 4-in. pots, \$1.50 per doz.; \$10.00 per 100.

**HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.**



# The Home of Kentias

80,000 feet of glass, gives ample space for the development of strong, healthy, graceful and vigorous plants

## The Standard of Perfection in American-Grown Kentias

Thousands of Kentia Seeds sown annually produce quantities of thrifty plants for thrifty people—the kind that appreciate quality. Come to see us at Wyncote, twenty-five minutes from Philadelphia on the Reading Railway. An inspection of our stock will convince you. *New wholesale price-list on application.*

**JOSEPH HEACOCK COMPANY** *Rose and Palm Grower* Wyncote, Pa.

### A WONDERFUL NEW NEPHROLEPIS

# Nephrolepis Superbissima

## INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty**—as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green**—entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural Society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

*Do not fail to see our exhibit at the S. A. F. Convention, Niagara Falls.*

Fine, strong plants, 2½ inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

# P-A-L-M-S

## KENTIA BELMOREANA

## KENTIA FORSTERIANA

			Per doz.	Per 100
2 in. pots	4-5 leaves	10-12 in. tall	\$1.50	\$10.00
3 "	4-5 "	11-13 "	2.00	15.00
4 "	5-6 "	12-14 "	5.00	40.00
5 "	6-7 "	19-22 "	.75 each	
6 "	6-7 "	22-24 "	1.00 "	
7 "	6-7 "	25-28 "	2.00 "	
7 "	6-7 "	28-36 "	2.50 "	
7 "	6-7 "	36-40 "	3.00 "	
8 in. tubs	7-8 "	5 ft. tall	5.00 "	
8 "	7-8 " heavy	5 "	6.00 "	
10 "	7-8 " very heavy	5 "	10.00 "	
10 "	7-8 "	5 1/2-6 "	12.00 "	
10 "	8-9 "	6-7 "	15.00 "	
11 "	11 " very heavy	6 "	20.00 "	
13 "	7-8 "	8-9 "	30.00 "	
13 "	8-10 "	7-10 "	35.00 "	
16 "	11-12 "	10 "	45.00 "	

### Made-up Plants

7 inch tub	36-40 inches	\$2.50	\$3.00 each
8 " "	40-50 "	3.50	4.00 "
9 " pot	6 plants in pot	4.00	4.00 "
9 " tubs	4 " in tub	5.00	5.00 "
9 " "	3-4 " "	6.00	6.00 "
10 " "	3-4 " "	7.50	7.50 "
11 " "	3-4 " "	10.00	10.00 "
11 " "	3-4 " "	12.50	12.50 "
12 " "	3-4 " "	15.00	15.00 "
11 " "	5 " "	15.00	15.00 "
14 " "	3-4 " "	18.00	18.00 "
14 " "	3-4 " "	20.00	20.00 "
15 " "	3-4 " "	25.00	25.00 "
15 " "	6-9 " "	35.00-40.00	35.00-40.00 "
18 " "	4-6 " "	45.00-50.00	45.00-50.00 "

## KENTIA BELMOREANA. Made-up Plants

7 inch pots 3-4 plants in pot 24 inches	\$2.00 each	7 inch pots 3-4 plants in pot 26-28 inches	\$2.50 each
7 inch pots 3-4 plants in pot 38 inches	\$3.00 each		

Visit the Convention at Niagara Falls and See Our Samples. Ask for New Price List Just Out

# JULIUS ROEHRS CO., Rutherford, N. J.

## If You Contemplate BUYING ORCHIDS THIS SEASON

We respectfully solicit your orders. We are in a position to quote you prices that will surprise you. We have just received large shipments of

## CATTLEYA SCHROEDERÆ and C. TRIANÆ

and others that without overstating are the finest plants ever seen.

We must sell the greater part as no room is available this year and we wish to offer you bargains. Of established stock we have large quantities at popular prices. We solicit your inspection of our exhibits at the Convention Hall, Niagara Falls, where we shall be glad to show you samples.

## LAGER & HURRELL, Orchid Growers and Importers, Summit, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....	50c per bbl
50-bbl lots.....	75c per bbl
100-bbl lots.....	1.00c per bbl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.

## MEYER'S SILKALINE

Used Everywhere. For Sale by all up-to-date Supply Houses.

DON'T TAKE ANY SUBSTITUTES

JOHN C. MEYER & CO.

Mills at BOSTON OFFICE, 77 SUMMER ST.  
Lowell, Mass.

## ORCHIDS

Arrived in fine condition, C. Mossiae, C. Percivaliana, C. Trianae, C. labiata, C. gigas Sanderiana, C. Harris-oniae, C. Schroderae, C. citrina Den. Formosum giganteum, D. Wardianum, D. Findleyanum, Oncidium Varicosum Rogersii, O. Tigrinum, O. Ornithorhynchum, Laelia anceps. To arrive shortly, Vanda Coerulea, Cattleya Gaskelliana, C. Mendellii, Phalaenopsis Amabilis, P. Schilleriana.

CARRILLO & BALDWIN, Secaucus, N.J.

## ORCHIDS

Orchid Baskets and Peat

Write for Prices

JOSEPH A. MANDA

191 Valley Road - WEST ORANGE, N. J

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England and 235 Broadway, Room 1  
NEW YORK CITY

## ORCHIDS

Our importation has arrived in Perfect Condition  
C. Gigas Sanderiana, C. Percivaliana, C. Gaskelliana, C. Mossiae.

Expect C. Mendellii shortly.

ORDONEZ BROS., Madison, N. J.

# In writing to Advertisers kindly mention Horticulture

# SEE OUR SAMPLES AT THE = CONVENTION =

Ficus Pandurata  
Nephrolepis Amerpohlil  
Otaheite Oranges  
Gardenias

N. Scottii  
Pandanus Veitchii  
Crotons  
Cyclamen

Begonia Lorraine  
Boston Ferns  
N. Whitmanii  
Dracaenas

**A Cordial Invitation** is extended to Delegates to visit our place, on their way to or from the Convention. Take Market St. trolley car marked "63rd and Market Streets." Twenty minutes from Broad St. Station.

**SEND FOR FALL WHOLESALE PRICE LIST.**

## ROBERT CRAIG CO.,

4900 Market Street, - - PHILADELPHIA, PA.

## WHEN IN CHICAGO Call and See Our Stock!

**POT PLANTS AT WHOLESALE A SPECIALTY**

EASY TO REACH

THIRTY MINUTES FROM LOOP

FIVE CENT FARE

Ferns for Dishes, Bostons, Whitmani Palms, Araucaria, Aspidistra and Ficus  
Primula Sinensis and Obconica, Cyclamen, Poinsettia, Pot Chrys-  
anthemums, and all kinds of Pot Plants in Season

If you can't call,  
send list of what you  
wish and get prices.

**FRANK OECHSLIN** Formerly  
Garfield Park Flower Co.  
2572 W. Adams St., Chicago, Ill.

**Anything of Value**  
to the profession

**CAN BE SOLD**

through advertising in

**Horticulture**

### INVITATION

Florists visiting Philadelphia in going to or coming from the convention are cordially invited to call at the

### MORRISVILLE NURSERY

and inspect one of the best collections of trees and shrubs in the east. Twenty trains daily each way One hour from Philadelphia. Carriage will meet trains on phone notice.

**SAMUEL C. MOON**

Morrisville Nursery  
MORRISVILLE, BUCKS COUNTY, PENNA.

## Notes from the Arnold Arboretum.

An exceedingly handsome Holly and the earliest of all to ripen its fruit is the Japanese *Ilex geniculata*. It is an upright shrub attaining six feet in height and probably more, with spreading branches now bearing a profusion of small bright scarlet fruits gracefully hanging down on slender thread-like stalks from the spreading branches. The fruits are small about the size of a small pea, but are produced in great abundance and stay on the branches unchanged until after the leaves have fallen. The leaves are about two inches long, ovate-lanceolate, glabrous and turn yellow in autumn. The flowers are insignificant like those of the other species of the genus and appear in May. The species is still very rare in cultivation and hardly known outside of the Arboretum; it was introduced to the Arboretum about fourteen years ago directly from Japan where it seems to be also a rare shrub growing in the higher mountains, and has proved perfectly hardy at the Arboretum. The *Ilex geniculata* is dioecious, but we fortunately possess both sexes and therefore fruits are produced abundantly on our pistillate shrubs.

The Buffalo-berry, *Shepherdia argentea* (*Lepargyrea argentea*), is another very handsome fruiting shrub; its branches are now thickly studded with bright scarlet glossy berries, some of them so loaded with fruits that they are bent down by their weight. The effect of the shrub is heightened by the silvery white color of the foliage and branches. The Buffalo-berry is a thorny straggling shrub attaining fifteen or eighteen feet in height, sometimes almost tree-like, and is on account of its drought resisting qualities and great hardiness well suited for dry and exposed situations; it is dioecious and in order to be sure of a good fruit supply both sexes must be planted together. The allied *Shepherdia canadensis*, a lower shrub with the branchlets and the under side of the leaves brown-colored, produces its red or yellow fruits less abundantly and is somewhat difficult in cultivation; the fruits of both species are used for jellies.

Of the *Euonymus* the earliest species to ripen its fruits is the dwarf *Euonymus nanus*. It is a pretty shrub scarcely exceeding two feet in height with partly trailing branches and particularly adapted for rocky or sandy banks and slopes; it is half-evergreen and in mild winters the narrow, small leaves which turn dark purple late in fall remain on the branches until spring. Sometimes it is grafted high on *E. europaeus* or any other tall growing species and forms thus very graceful small standard trees with spreading and slightly pendulous branches particularly handsome in August, when the pinkish fruits hanging from the branches on slender stalks disclose the bright orange seeds.

The earliest of the red-fruited Hawthorns to ripen its fruits is *Crataegus Arnoldiana*. It is a native species found in a wild state only in the Arnold Arboretum and near Medford, Mass., and grows into a tree up to twenty feet high with a short trunk and a broad and open head; its conspicuous bright crimson fruits ripen about the middle of August and drop before the beginning of September. *Crataegus nigra* from south eastern Europe and the western *C. rivularis* and *C. Douglasii* ripen their fruits about the same time, but they are of a purplish black color and therefore much less showy. Also the fruits of *Crataegus Oxyacantha* are now beginning to assume their red color.

*Prunus hortulana* and *P. Watsoni* are looking quite

handsome with their large bright red fruits between the lustrous bright green foliage; the fruits, however, drop as soon as they are ripe. The first species is a tree reaching sometimes thirty feet in height, while the latter is a dense shrub about three to six feet high. The Dwarf Cherry, *Prunus pumila*, holds still its purplish black fruits and the glossy bright red fruits of *P. pennsylvanica* adorn yet its branches.

*Cornus circinata* is very handsome with its cluster of bluish white fruits effectively set off by their red stalks against the pale green foliage; though the individual clusters ripen comparatively few fruits the red color of their stalks makes up for their paucity and gives the shrub a very distinct appearance. *Cornus paniculata* also begins to ripen its white fruits whose reddish stalks likewise heighten the effect of the fruiting clusters. The fruits of *Cornus obliqua* (*C. Purpusii*), formerly usually classed with *C. Amomum*, assume their peculiar pale blue color and the shrub attracts attention on account of the rather unusual color of its nodding clusters of fruits. All these species are shrubs of about six to twelve feet in height, but differing markedly in habit: the first is a strictly upright dense shrub of roundish outline, while the second has its slenderer stems more or less bending over at the top; the third species is of spreading, rather loose habit and usually broader than high.

Alfred Redder.

## What They Think of Horticulture in Belgium

In our Belgian contemporary, "La Tribune Horticole" of Brussels, we notice in the issue for July 11, the following remarks, which will interest our readers:

"Among all the American horticultural journals our excellent contemporary, HORTICULTURE, of Boston (U. S. A.), appears to us to be the best informed on the progress of European horticulture. We have often noticed in its columns capital accounts of the English and French shows, notices of new English and French books and other articles by writers in the old world. The last number of HORTICULTURE has just reached us and we there find a detailed account of the Paris Spring Show, illustrated with a charming engraving."

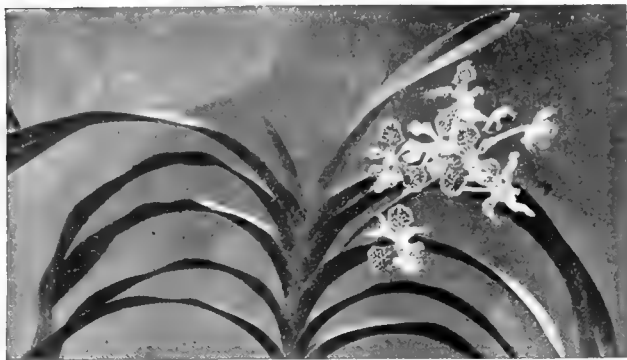
### FROM "ENDYMION."

A thing of beauty is a joy forever:  
Its loveliness increases; it will never  
Pass into nothingness; but still will keep  
A power quiet for us, and a sleep  
Full of sweet dreams, and health, and quiet breathing  
Therefore, on every morrow, are we wreathing  
A flowery band to bind us to the earth,  
Spite of despondence, of the inhuman dearth  
Of noble natures, of the gloomy days,  
Of all the unhealthy and o'erdarkened ways  
Made for our searching; yes, in spite of all,  
Some shape of beauty moves away the pall  
From our dark spirits. Such the sun, the moon,  
Trees old and young, sprouting a shady boon  
For simple sheep; and such are daffodils  
With the green world they live in; and clear rills  
That for themselves a cooling covert make  
'Gainst the hot season; the mild forest brake,  
Rich with a sprinkling of fair musk-rose blooms:  
And such, too, is the grandeur of the dooms  
We have imagined for the mighty dead;  
All lovely tales that we have heard or read.  
An endless fountain of immortal drink,  
Pouring into us from the heaven's brink.

—John Keats.



## Vandas.



VANDA TRICOLOR.

The genus *Vanda* is amongst the most fascinating in the orchid family, nearly all the species having strikingly showy, fragrant flowers and handsome evergreen foliage. *Vandas*, with the exception of *V. coerulea*, *V. Kimballiana* and *V. Amesiana*, which should be grown cool, may be grown in any kind of a warm greenhouse, one devoted to palms and ferns being very suitable, providing the shade is not too dense.

While *Vandas* will accommodate themselves to various modes of treatment, and will live and flower for many years under most unfavorable conditions, a moist atmosphere is essential to their well-being. They should also be given plenty of light, as in a dark, damp atmosphere there is danger from black spot. An excessively dry atmosphere causes the plants to lose their lower leaves and is also conducive to the rapid breeding of a species of small scale which quickly disfigures the foliage, and is very difficult to eradicate.

All the species do best in pots, in a mixture of broken crock and charcoal, surfaced with sphagnum moss. When the plants get too tall the top may be taken below a few aerial roots and potted. Spring or early summer just when new roots are making their appearance is the best time to perform the operation. The old stumps will invariably break. Sometimes the finest plants are obtained in this way. The removal of the lead causes the plant to break in many places.

The subject of our illustration is a fine variety of *V. tricolor*, which flowered for the first time in the once famous Corning collection, Albany, N. Y., under the care of Mr. Grev. The color of the flowers is bright yellow, spotted with dark crimson, the lip is a rich, deep blue.

*Vanda coerulea* is rapidly becoming a commercial orchid, its intensely blue flowers being much sought after for special use in fall and early winter. As previously stated, it should be grown somewhat cool, in a moist situation with a very light shade in summer, and full sunshine in winter.

*James Hutchinson*

Pittsburg, Pa.

## New Roses at Paris.

Many inquiries having reached me as to the judging of the new roses at Paris and some reports having been published which need restating, in order to put the

matter correctly before Americans interested, I deem it best to briefly state the case:—

The City of Paris, France, is anxious to do everything possible to make the city attractive to visitors; with this in view and in order to give an additional attraction, the Municipality, at the instigation of M. Jules Gravereaux has established in the great park known as the Bois de Boulogne the Garden Bagatelle, which is given over to roses, the garden being under the able management of M. Forestier.

The call was issued last autumn and winter asking the originators of new roses to send four plants of each of their new varieties for planting in the Garden Bagatelle; these rose plants were set out in beds, each variety being grouped together. There were 87 rose novelties submitted and planted, making a total of 348.

The prizes were—The Grand Prize of Bagatelle, a large gold medal given by the City of Paris; two Premier Prizes, 1st given by the Minister of Agriculture, the 2nd by the National Horticulture Society of France; two Second Prizes, 1st by the Rose Section of the National Horticulture Society, 2nd by the French National Rose Society.

The competition was most interesting and unique in character.

The jury was composed of: M. A. Chenoux, President of the Municipal Council of Paris who is chairman; Arthur Paul, of England; Peter Lambert, Germany; Constant Soupert, Luxembourg; E. G. Hill, United States; Jules Gravereaux, Pernet, Leveque, and Chatenay, representing the National Horticultural and the National Rose Societies of France.

The jury forming themselves into a committee decided that a second judging of these roses should take place in September next when the final awards will be made. The committee was led to this conclusion by the fact that a few of the roses were past their best estate so far as bloom was concerned, a number not being in bloom at all. It was thought best in the interest of all who had submitted and sent their roses to be judged that strict equity demanded a second judging.

All the judges agreed to return at the call of M. Gravereaux at such time in September as he deemed best, excepting of course the representative from the United States.

The awards so far made, and which are subject to increase, were as follows, 10 points being the maximum:—Lyon-Rose from its unique color seemed to take the lead and was voted the maximum number of points. All the varieties scoring from 5 points up certainly possessed qualities that should make them permanent additions to our list of good roses. I was sorry that Mr. John Cook's rose "My Maryland" did not have a flower or bud showing: I look for this variety and others to make their mark at the second judging. In the event of a number of varieties receiving the maximum number of ten points, the judges will vote as to their respective positions and the prizes will be awarded accordingly.

At the conclusion of the judging one of the most elegant dinners was served that it has been my pleasure to enjoy; we were further shown every nice attention imaginable. The exhibit as planned and carried out at the Garden Bagatelle is an innovation on all previous methods employed for arriving at the good qualities of new roses and the experiment is certainly worthy of careful study and thought. My own opinion is this:—the roses submitted should be established the previous

summer or season so that they might show their possibilities under good root action; 2nd, as the varieties of roses vary a few days in their time of flowering it would seem important that the jury have several inspections so as to see the varieties at their best when passing upon them.

I believe that to M. Jules Gravereaux belongs the credit for the inception of this novel method of exhibiting roses. M. Gravereaux is certainly one of the most enthusiastic as well as one of the most practical rosarians living, as a visit to his wonderful Rose Garden will attest.

The Committee's report, subject to revision in September, is as follows:

- |           |   |
|-----------|---|
| 10 points | Lyon-Rose (Hy. Tea) de M. Pernet-Ducher, a Venissieux les-Lyon.                               |
| 9 "       | Jean Note (Hyb. Tea) de M. Pernet-Ducher, a Venissieux les-Lyon.                              |
| 9 "       | Hector Mackensie (Hyb. Tea) de M. Guillot, a Lyon-Monplaisir.                                 |
| 8 "       | Mlle. Louise Leroy (Tea) de M. L. Leroy, d'Angers.  |
| 8 "       | Chateau de Clos Vougeot (H. T) de M. Pernet-Ducher, a Venissieux.                             |
| 8 "       | Admiral Evans (H. T) de M. E. G. Hill, a Richmond (Amerique).                                 |
| 8 "       | Rhea Reid (H. T) de M. E. G. Hill, a Richmond (Amerique).                                     |
| 8 "       | Mrs. Isabelle Milner (H. T) de MM. W. Paul et Son, Waltham (Angleterre).                      |
| 8 "       | Mme. Segond Weber, (H. T) de M. Soupert, Luxembourg.  |
| 7 "       | Comtesse Cecile Luram (H. T) de M. Brauer, a San Remo.  |
| 7 "       | Mrs. Dudley Cross, (Tea) de MM. W. Paul & Son, a Waltham, (Angleterre).                       |
| 7 "       | Indiana (H. T) de M. E. G. Hill, a Richmond (Amerique).                                       |
| 7 "       | Madonna, (H. T.) de M. J. Cook, a Baltimore (Amerique).                                       |
| 7 "       | Altmarker, (H. T.) de M. J. C. Schmidt, Erfurt (Allemagne).                                   |
| 6 "       | Mme. Pierre Laffite, (Beng. sarm.) de M. Gravereaux, Al'Hay.                                  |
| 6 "       | Mrs. R. A. Waddell, (H. T.) de Pernet-Ducher, a Venissieux.                                   |
| 6 "       | Frau Satitatsrat D' Staub, (H. T.) de M. Lambert, a Trier.                                    |
| 6 "       | Kathley, (H. T.) de M. W. Paul & Son, Waltham, (Angleterre).                                  |
| 6 "       | The Oregon, (H. T.) M. E. G. Hill, Richmond, (Amerique).                                      |
| 5 "       | Comtesse Icy Hardegg, (H. T.) de M. Soupert, Luxembourg.                                      |
| 5 "       | Dorothy Page Roberts, (H. T.) de M. A. Dickson, a Newtownards, (Ireland).                     |
| 5 "       | Mrs. Sophia Neate (H. T.) de M. Bide et Son, a Farnham (Angleterre).                          |
| 5 "       | Groscherzog Friederich, (H. T.) de M. P. Lambert, a Trier.                                    |
| 5 "       | Gloire de Chedane-Guinoisseau, (Hyb. Remontant) de M. Guinoisseau, a Angers.                  |
| 5 "       | Frau Oberhofgartner Singer, (H. T.) de M. Lambert, a Trier.                                   |
| 4 "       | Mme. P. Euler, (H. Y.) de M. Guillot, a Lyon.   |
| 4 "       | Mme. Bory d'Arnex, (H. T.) de M. Soupert, a Luxembourg.                                       |
| 3 "       | Paula Paternotte, (Poly) de M. Kette, a Luxembourg.   |
| 3 "       | Loja Graffin von Meran, (H. T.) de M. J. Paul.  |
| 3 "       | Souvenir de Montretout, (Hyb. R.) de M. Proust, a St.-Cloud.                                  |
| 3 "       | Mme. Louis Bailly, (H. T.) de M. Guillot, a Lyon.   |
| 3 "       | Rubrifolia X Paul Neyron, (Hyb.) de M. Cayeux, Bordeaux, (Mult.) de M. Soupert, a Luxembourg. |
| 2 "       | Prinzessin Leontine Furstemberg, (Tea) de M. Chalupecky, a Pchery (Autriche).                 |

## Roses Under Glass.

### SEASONABLE SUGGESTIONS.

This is the season when we may expect, and usually get, a few samples of the stickiest, most disagreeable brand of weather operated by the Weather Bureau, and in spite of admirable watchfulness and care, the stock often shows a tendency to run soft. To guard against this as much as possible, it is necessary to study the condition of the soil most thoroughly before each application of water.

The excessive humidity with which the atmosphere is charged at this season, prevents, to a considerable extent, the proper evaporation of moisture from stock and soil, and unless these conditions are carefully considered and given weight in the administration of the essentials such as air, and water, etc., that rank, yellow, soft growth, at once so undesirable and unpleasant to the eye, will inevitably result.

Frequent cultivation of the soil helps to keep it sweet and prevents green scum from forming on the surface, and should be practiced until the roots approach the surface.

Disbudding, when properly done, has a great influence on the future constitution of a plant and should therefore be performed, not hurriedly—but with care and precision. Some varieties, Richmond in particular, do not break readily if the buds are allowed to open wide before they are removed, and, if, as the writer has observed occasionally, a large percentage of buds are allowed to reach this stage of development, and are then cut off as quickly as a man can get around them, the plants receive a check from which they do not readily recover. The proper time and condition in which to take the buds of the different varieties can be determined by the grower only after he has carefully noted the result of each operation during the entire season. It is, however, quite safe and often beneficial, to cut off the buds just before or when they begin to show color.

As the season advances, ventilation will require more care than was accorded it during June and July, and, while plenty of air is absolutely essential to the stock, draughts and sudden fluctuations of temperature must be avoided as much as possible. Especially does this apply to plants that have made a soft and rapid growth, as, when in this condition, they are very susceptible to mildew and other troubles. Caterpillars usually get busy about this time and the grower who loves his roses, should have no scruples in squashing the ambition of these voracious little pests.

Frequent syringing will serve to keep red-spiders in check, if it is done properly, and accompanied by a good force of water. A good nozzle is of incalculable value to the grower, as without one, syringing is a most laborious and disagreeable task. The Wittbold nozzle is well adapted to the rose grower's needs as, by a simple adjustment, either young grafted stock, or old established plants may be syringed effectually and with perfect safety.

Although green-fly are not so troublesome during the summer months, the houses should be fumigated once a week "if possible," with tobacco, which will prevent their gaining a foothold, and make it easier to keep them in subjection during the winter.

*E. G. Hill*

*J. E. Simpson*

# HORTICULTURE

VOL. VIII

AUGUST 15, 1908

NO. 7

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00. To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
NOTES FROM ARNOLD ARBORETUM—Alfred Rehder	195
HORTICULTURE IN BELGIUM	195
VANDAS James Hutchinson Illustrated	196
NEW ROSES AT PARIS—E. G. Hill	196
ROSES UNDER GLASS—J. E. Simpson	197
HORTICULTURE AT THE FRANCO-BRITISH EXHIBITION	199
NEWLY PLANTED CARNATIONS—L. J. Reuter	199
DIANTHUS NAPOLEON III.—F. J. Rea	199
SOCIETY OF AMERICAN FLORISTS	
Program for Niagara Falls Convention—Illustrated	
Portraits F. H. Traendly, George McClure, H. B. Beatty, W. F. Kasting	200-201
Convention Headquarters—Illustration—Ladies' Society of American Florists—Judges of Trade Exhibit—National Flower Show	202
Routes to Niagara Three Convention Officials—Portraits C. H. Keitsch, Chas. Sandiford, John Walsh—HORTICULTURE at the Convention	203
NEWS OF THE CLUBS AND SOCIETIES	
American Rose Society—Massachusetts Horticultural Society—Mt. Desert Flower Show	203
Albany Florists' Club—American Association of Park Superintendents—Detroit Florist Club—Tarrytown Horticultural Society—Vive le Chrysantheme	204
KALMIA LATIFOLIA IN MAINE—Hans J. Koehler	205
ROSES IN COLORADO—Paper by J. A. Valentine	205
OBITUARY—W. W. Lawson, Portrait—George Cooke—Louis H. Sanier, Portrait—Christian Rieger	208
BEDDING PLANTS—A Paper by Louis Boeglin	208
SWEET PEA REVIEW FOR 1908—George C. Watson	212
ROSE HYBRIDIZATION—Alex. Dickson	216
SEED TRADE	220
DURING RECESS	
Tarrytown Horticultural Society—Coming Events	225
FLOWER MARKET REPORTS	
Buffalo, Chicago, Indianapolis, New York, Phila.	227
MISCELLANEOUS	
From "Endymion"—Portrait	195
The Glass Situation	205
Chicago Personals	207
News Notes	207-217
Two Gentlemen of Philadelphia—Portraits	209
A Fine Melon Crop—Thomas White	209
A New Firm—The Libraries of London	209
Results of Advertising Right—List of Patents	209
Movements of the deniers	211
Novelties in Prospect	213
New Retail Store—Incorporated	224
Business Changes—Personal—Steamer Departures	224
When to Stop Advertising	225
Greenhouses Building or Contemplated	235

A vigorous society heavy attendance at the S. A. F. Convention. It must be evident to all that this organization, while grievously lacking in the support it is well entitled to in certain sections, has greatly strengthened its hold upon the affections of the trade. The additions to its active mem-

bership, it is also well to note, are conspicuously of the younger element and the vacancies caused by the depletion of the ranks of the pioneers by infirmity or death are being steadily filled by vigorous young blood such as any organization should be proud to acquire. We have taken occasion, heretofore, to commend this unique society for the wisdom with which it has shaped its policies so as to satisfy and hold the attention of the many and varied interests which compose its membership. Rarely, if ever, has there been a similar instance of persistent cohesion between elements so unlike.

### Shaping the course for the future

Unquestionably, the S. A. F. has been singularly successful in solving the problem of combining to good advantage in an organized capacity, pleasure and profit, education and business uplift. Changes in policies of such a body should be approached with extreme caution and yet there is need that strong hands and loyal hearts should be continually devoted to the task of strengthening the foundations, crystalizing on progressive lines the purposes and extending the field of the society's scope and activities. Not by what has been accomplished in the past will the coming years be judged, but by the way new conditions are faced as they arise and fresh avenues for useful service are opened up. Many of us have our ideals as to what the S. A. F. should be in the years to come, what it should undertake and what it should not undertake. Let us consider them well for they may not all be wise and mistakes in such matters are very costly. It is a duty every beneficiary of this organization owes to it and to himself to give some of his best thought to the consideration of every proposition having a bearing upon its future and then advocate and work for what he is convinced will help to make the society bigger, stronger and more and more a powerful factor in the onward progress of American horticulture.

### Value of the exhibition

Wide-awake commercial florists and plantsmen are looking forward with interest to the trade exhibition at Niagara Falls. This feature, once an adjunct of only moderate importance in the annual meeting of the S. A. F., has rapidly advanced until, in the estimation of many, it has become the chief attraction of the Convention. Contrary to the expectations of some, it is now certain that the exhibition at Niagara Falls next week will outrank in size the very successful affair at Philadelphia last year, and promises to be in even greater degree than ever before, the main support and strength of the Convention in its capacity as a commercial invigorator. Many have come to look upon this spectacular exposition as the opening, in fact, of the new season. Here are spread out for the critical consideration of grower, dealer or tradesman every new product, every kind of implement and supplies, every recent improvement in equipment, every novelty which diligent quest has brought to light from the factories and markets of the world. Here, in contemplation of these manifold evidences of the vast proportions to which their business has now attained, producer and merchant are alike inspired and invigorated with the spirit which put into their business activities will make them well nigh invincible. The man who goes to the Convention determined to make the best of his opportunities will return well equipped with the substantial knowledge and healthy stimulus which make so strongly for permanent success.

## Horticulture at the Franco-British Exhibition

This great exhibition appears to be exciting a good deal of interest both in England and France and in the open air gardens there is an excellent display of a permanent character chiefly by French nurserymen. The famous house of Vilmorin, Andrieux & Co., are large exhibitors. Roses are shown in great numbers by Pierre Guillot, Levavasseur & Son, Pernet-Ducher, Chl. Molin, Croibier & Son, R. Goyer, Leveque & Son, Louis Leroy, Ad. Rothberg. Other open air exhibits are from Aug. Nonin, Croux & Son, Abel Chatenay, Cayeux & Leclerc, Lagrange, Bruant Millet & Son, Ferard, and others. Trained fruit trees come from other well-known firms.

We notice that our esteemed contributor Mr. Harman Payne has commenced a series of articles in our French contemporary "Le Jardin" of Paris, dealing with the horticultural aspects of this great exposition. It is worthy of note that Mr. Harman Payne is the only English writer who contributes to the French gardening press and he is a very popular man among the French horticulturists, who have more than once testified to their high appreciation of his literary work in connection with French horticulture.

## Carnations

### CARE OF NEWLY PLANTED STOCK.

Planting is now well under way and the dry season which has been quite general throughout the country has helped to give us all a fine lot of sturdy plants. The stock in the field as a whole has not made that soft, lanky growth which is apt to occur in wet seasons. When benching the field plants care should be taken to keep the stock in as vigorous condition as possible. Judicious syringing and watering help materially to give the plants a good start towards the work which they are expected to do during the coming season. The question of shading newly planted stock is of importance and subject to differences of opinion, but there can be no harm done by shading lightly providing it can be removed readily within a few days. Under no condition should newly planted stock be kept shaded for any great length of time. A very handy way and one which answers the purpose, is to mix some sticky dark colored clay or heavy soil in water and spray the glass; then if a shower does not come along within three or four days the hose may be used and in a very short time the glass is clean.

After planting, the stock should receive a thorough watering, but after this they should not be watered until the soil is fairly well dried out and the beds should be kept in a moderately moist condition, rather on the dry side than too wet until the plants start to make new roots when they will be ready to take quite liberal quantities of water.

Syringing should be kept up steadily for about the first two weeks, after which time they should only be syringed often enough to keep off red spider. It is well during the very warm days to dampen down the walks, sides of the houses and overhead lightly, during the middle of the day. This will help to keep the temperature down and keep the plants in a growing condition.

Topping should be continued until the plants are of good size, but if large strong plants are benching and early blooms are wanted it is not necessary to pinch

back and then cutting the long shoots which were on the plants when they came from the field.

As the season advances, either the watering must be governed accordingly, as it is at this season that a check is often given stock which proves disastrous for the balance of the season.

LOUIS J. REUTER.

## Dianthus Napoleon III

According to our horticultural dictionaries "Dianthus" means "Divine Flower," and Dianthus Napoleon III. is certainly one of the most exquisitely divine hardy flowers we have. I am not sure, but think that it was introduced some twenty-five or thirty years ago. Owing to excessive propagating it became diseased and lost to the trade but, thanks to private gardens, was saved from being entirely lost. It was re-introduced some five or six years ago and this time has come to stay, for we know enough to go easy in propagating when so much weakness and disease are caused by overdoing it.

It has none of the straggling habit that so many of the other species of pink have, but grows in compact sturdy tufts that have a handsome appearance; the foliage is unique, being of a dark green, instead of blue grey. The flowers are borne on spikes eight to twelve inches high, each spike bearing from five to ten buds; the stem is wiry, standing well above the foliage. The flowers are double, well-formed, and in color a deep, rich crimson. It is hardly necessary to mention its cutting qualities, for nearly everything in the pink family is fine for that purpose.

The wonderful blooming period is not the least of its many attractions. It not only stays in bloom from June till stopped by frost, but flowers so freely that from a dozen or so plants there would always be some flowers ready to use. Its fragrance is of that popular clove variety so pleasing to all.

Last winter was one of the most trying for herbaceous plants, especially for those having foliage on all winter, like this Dianthus. In spite of this, with some covering, it came through the winter well.

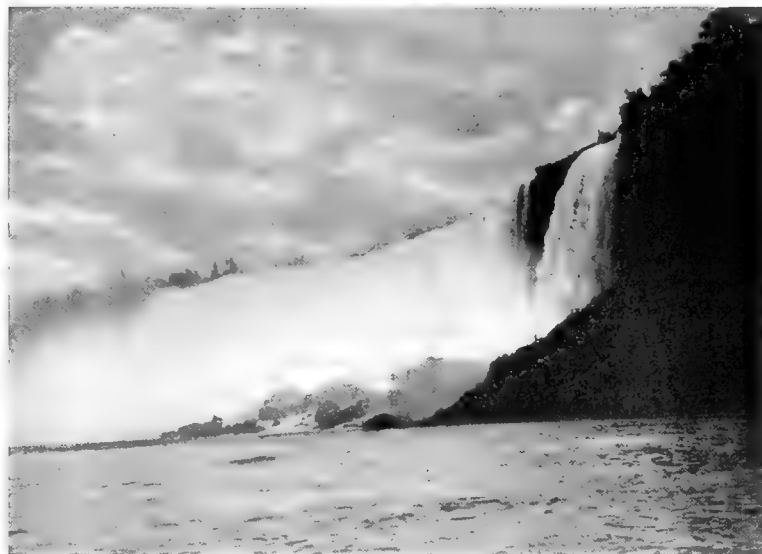
*Frederic J. Rea.*

THE NEXT ISSUE of HORTICULTURE will contain a full account of proceedings at the 24th. convention of the Society of American Florists and Ornamental Horticulturists at Niagara Falls, the exhibits and awards and other interesting news so far as completed up to the time of going to press. By the thousands of interested horticulturists not in attendance at the convention this will be perused with attention and the paper will be an especially good medium for advertisers because of this fact. You can feel assured that anything you may offer in that issue will enjoy a widespread and remunerative publicity. Send copy in now while reminded of it and we will do the rest.

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS



Twenty-Fourth  
Annual  
Meeting  
and  
Exhibition



Niagara Falls,  
N. Y.,  
August 18-21,  
1908



## Officers For 1908.

PRESIDENT—F. H. Traendly, 14 W. 28th St., New York, N. Y.

VICE-PRESIDENT—Geo. W. McClure, 832 W. Delavan Ave., Buffalo, N. Y.

SECRETARY—W. N. Rudl, Morgan Park, Ill.

TREASURER—H. B. Beatty, Farmers' Bank Bldg., Pittsburg, Pa.

## Directors.

For One Year; E. V. Hallock, Theodore Wirth.

For Two Years; Samuel Murray, J. K. M. L. Farquhar.

For Three Years; George Asmus, John Young.

Ex-Officio; Wm. J. Stewart.

## State Vice-Presidents

Alabama—J. L. Parker, Birmingham.

California—Sidney Clack, Menlo Park.

Colorado—N. A. Benson, Denver.

Connecticut—G. X. Amrhn, New Haven.

District of Columbia—Geo. H. Cooke, Washington.

Florida—E. N. Reasoner, Oneco.

Georgia—V. E. Lambert, Atlanta.

Illinois—F. Lautenschlager, Chicago; J. F. Ammann, Edwardsville.

Indiana—J. Bertermann, Indianapolis.

Iowa—J. A. Kramer, Cedar Rapids.

Kansas — Oscar Roehr, Topeka.

Kentucky—A. R. Baumer, Louisville.

Maryland—R. A. Vincent, White Marsh.

Massachusetts — F. E. Palmer, Brookline; A. J. Loveless, Lenox.

Michigan—A. Pochelon, Detroit; H. Smith, Grand Rapids.

Minnesota—R. A. Latham, Minneapolis.

Mississippi—S. W. Crowell, Rich. Missouri—J. Steidle, Central; W. L. Rock, Kansas City.

Nebraska—Lewis Henderson, Omaha. New Hampshire—H. C. Stache, Manchester.

New Jersey—A. Herrington, Madison.

New York—G. C. Perkins, Newark; J. Austin Shaw, New York.

North Carolina—W. Rehder, Wilmington.

Ohio—E. G. Gillett, Cincinnati; C. J. Graham, Cleveland.

Pennsylvania—E. J. Fancourt, Philadelphia; T. P. Langhans, Pittsburg.

Rhode Island—Carl Jurgens, Newport.

South Carolina — C. A. Moss, Spartansburg.

South Dakota—E. C. Newberry, Mitchell.

Tennessee—C. L. Baum, Knoxville.

Texas—E. H. R. Green, Dallas.

Virginia — J. J. Curran, Salem.

West Virginia—C. P. Dudley, Parkersburg.

Wisconsin — C. C. Pollworth, Milwaukee; E. Amerpohl, Janesville.

Ontario—T. W. Duggan, Brampton.

Manitoba—H. E. Philpott, Winnipeg.

Botanist—Prof. L. H. Pammel, Ames, Iowa.

Pathologist — Dr. B. M. Duggar, Ithaca, N. Y.

Entomologist—Prof. F. L. Washburn, Minneapolis, Minn.

Superintendent of Exhibition—Charles H. Keitsch, 810 Main St., Buffalo, N. Y.



PRESIDENT F. H. TRAENDLY.



Plant Registration in Charge of Secretary.

#### Legislative Committee

L. B. Coddington, Murray Hill, N. J.

Wesley Greene, Des Moines, Iowa.

Benj. Hammond, Fishkill-on-Hudson, N. Y.

E. G. Hill, Richmond, Ind.

E. A. Moseley, Washington, D. C.

P. O'Mara, Jersey City, N. J.

Patrick Welch, Boston, Mass.

#### Committee on Convention Sports

Geo. W. McClure, Chairman; E. A. Slattery.

#### Committee on Census

P. O'Mara, Chairman; J. A. Valentine, Albert T. Hey.

#### Committee on School Gardens

E. V. Hallock, Chairman; P. O'Mara, F. E. Palmer, F. R. Pierson, J. F. Cowell, Benj. Hammond.

#### Committee of 50 on National Flower Show

Wm. F. Kasting, Chairman; I. C. Bertermann, Treasurer; J. H. Burdett, Secretary.

Wm. F. Kasting, J. C. Vaughan, H. B. Beatty, W. J. Stewart, Theo. Wirth, W. H. Elliott, E. V. Hallock, C. L. Seybold, H. H. Ritter, Robert Craig, E. G. Hill, Patrick O'Mara, F. H. Traendly, J. D. Eisele, Patrick Welch, J. G. Esler, C. H. Totty, S. S. Skidelsky, J. E. Lager, Otto G. Koenig, A. J. Loveless, David Fraser, Elmer D. Smith, Philip Breitmeyer, W. N. Rudd, George Asmus, Leonard Kill, C. C. Pollworth, I. C. Bertermann, E. B. George, J. A. Valentine, Roy F. Wilcox, W. F. Gude, Peter Bisset, H. M. Altick, Edwin Lonsdale, Alex.



W. F. KASTING, CHAIRMAN COM. OF FIFTY.



GEORGE W. MCCLURE, VICE-PRESIDENT

Montgomery, A. Herrington, August Poehlmann, F. R. Pierson, Harry Papworth, Peter Fisher, L. C. Bobbink, Julius Roehrs, John Scott, Albert McCullough, Wm. Kleinhaus.

Chairman of Special Committees—Executive and Finance, Wm. F. Kasting; Exhibits, American, Philip Breitmeyer; Exhibits, Foreign, E. G. Hill; Premiums, W. N. Rudd; Advertising, J. H. Burdett; Local Management, Privileges and Concessions, J. C. Vaughan; Special Features, Otto Koenig; Reception, August Poehlmann; Auditing, J. A. Valentine. The above nine chairman constitute The Executive Board of the Show.

Committee on Tariff—F. R. Pierson, Chairman; J. A. Valentine, Benj. Hammond.

National Council of Horticulture—Robt. Craig, J. K. M. I. Farquhar.

Committee on Standard Pots—Robt. Craig, John Birnie, F. E. Palmer.

Past Presidents—John Thorpe, 1884-1886; Robert Craig, 1887; E. G. Hill, 1888; J. N. May, 1889; \*J. M. Jordan, 1890; M. H. Norton, 1891; James Dean, 1892; William R. Smith, 1893; \*J. T. Anthony, 1894; Edwin Lonsdale, 1895; \*William Scott, 1896; Adam Graham, 1897; W. F. Gude, 1898; W. N. Rudd, 1899; \*E. M. Wood, 1900; Patrick O'Mara, 1901; John Burton, 1902-1903; Philip Breitmeyer, 1904; J. C. Vaughan, 1905; Wm. F. Kasting, 1906; Wm. J. Stewart, 1907.

\*Deceased.

#### TRANSPORTATION.

Points West and South of Buffalo, and Canadian Points.—Reduced

rates have been refused by the passenger associations covering this territory. There are, however, from nearly all cities reduced excursion tickets and return, also to Toronto on sale to Niagara Falls and return by way of Niagara Falls, with stop-over privileges. Members are advised to consult with their local ticket agents, and also to communicate with the secretaries of florist clubs in the larger cities, with a view to joining their parties and taking advantage of any special arrangements they may make.

Points in the U. S. East of Buffalo, including Pennsylvania, West Virginia, Maryland and the City of Washington and Vicinity.—(Territory covered by the Trunk Line Association and the New England Passenger Association, except the Bangor & Aroostook R. R., the Eastern Steamship Company and the N. Y., O. & W. R. R.)

A concession of fare and three-fifth on the certificate plan has been secured for those attending the meeting of Society of American Florists and Ornamental Horticultur-

ists, Niagara Falls, N. Y., August 18-21.

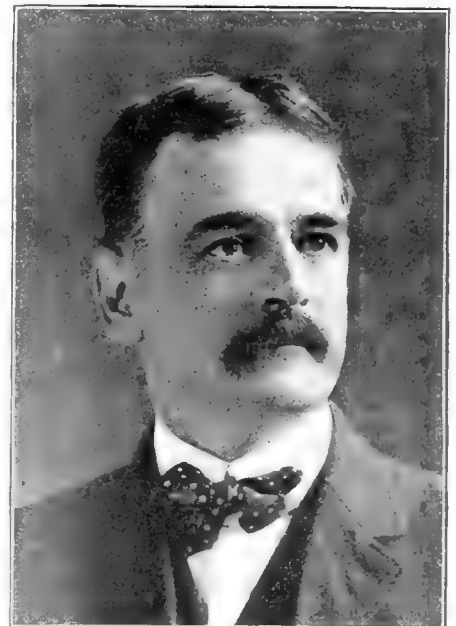
#### PROGRAMME.

First Day, Tuesday, August 18—Opening Session, 2 P. M.

Address of welcome and responsive address.

#### President's Address.

Annual address of the President. Reports of Secretary, Treasurer, State Vice-Presidents, Committees and other officers.



H. B. BEATTY, TREASURER.



CATARACT AND INTERNATIONAL HOTELS — CONVENTION HEADQUARTERS.

**Judging Exhibits.**

Judges will examine and prepare their reports upon the novelties and new inventions in the trade exhibition immediately after the close of the opening session.

**Florists Hail Association, 4.30 P. M.**  
Annual meeting.

**President's Reception, 7.30 P. M.**

**Second Day, Wednesday, August 19—**  
**Morning Session, 9.30 A. M.**

The members of the Canadian Horticultural Association will attend this session. Welcome to our Guests, by President Traendly. Response by President Walsh. Paper—Fertilizers and Fertility, J. F. Cowell. Discussion.

**Selection of Next Meeting Place and**  
**Nomination of Officers.**

The selection of the location of the next meeting (polls open one hour) and nomination of officers for next year will take place at this session.

**Ladies' Auxiliary.**

Ladies' Auxiliary of the S. A. F. & O. H., 10 A. M.—annual meeting.

**Afternoon, 2.30 P. M.**

The members of the S. A. F. & O. H. are invited to attend the session of the Canadian Horticultural Association at the Clifton House, Niagara Falls, Ontario.

**Evening Session, 7.30 P. M.**

Illustrated Lecture by J. Horace McFarland—How Florists May Aid in the Crusade Against Ugliness. The members of the Canadian Horticultural Association are invited to be present at this meeting, and the public will be admitted. Admission by ticket, to be obtained from Secretary Ewing, for members C. H. A.; Secretary Rudd, for members S. A. F. & O. H.

**Notice.**

All tickets not applied for by 12 o'clock noon, Wednesday, will be distributed to the public, and members delaying their application beyond that time must take their chances of tickets being available.

**Third Day, Thursday, August 20—**  
**Morning Session, 9.30 A. M.**

Paper—Out-of-Door Roses, W. C. Barry. Discussion.

**Election of Officers.**

Polls will be open at 10.30 A. M. and remain open two hours.

Amendments to the Constitution and By-Laws.

The Question Box.

**Afternoon Session, 2 P. M.**

The National Flower Show.

Address—E. G. Hill. Reports—W. F. Kasting, J. C. Vaughan. General discussion.

**American Carnation Society, 4.30 P. M.**

Special meeting.

**Evening.**

The evening session will be omitted in order to allow the members an opportunity for an evening view of the Falls and other scenery.

**Fourth Day, Friday, August 21—Morn-**  
**ing Session, 9.30 A. M.**

Address—School Gardens, L. C. Corbett. Discussion.

Paper—State Florists' Associations, Their Value and the Relation They Should Bear to the S. A. F. & O. H., Albert T. Hey. Discussion.

Paper—Planting for Winter Effect in the Northern States, George E. McClure. Discussion.

**Afternoon and Evening.**

In the hands of the Buffalo Florists' Club. The bowling contests will be held at Buffalo at this time.

**HOTELS AT NIAGARA FALLS.**

It seems fair that it should be made known to the members of the S. A. F. & O. H., that exhibition hall, meeting hall, business office, space for outside display, and music and refreshments for the President's Reception have all been furnished to the Society by Mr. Isaacs, free of charge. These accommodations which he has furnished us, the writer believes cost over \$1000.00 last year, and have cost very large sums in almost every place where the Society has met before. The amount

of profit of the Society from the trade exhibition last year was only a little over \$100.00, but through the generosity of Mr. Isaacs this year, it will be at least \$1000.00 more than that.

Mr. Isaacs is the manager of the Prospect House, Cataract House and the International Hotel.

Mr. McClure and Mr. Cutler assure us of fair treatment and reasonable rates, and the writer feels it his duty to urge upon the members of the Society to give these houses the preference, so far as they can do so without inconvenience to themselves.

All indications point to a large attendance, one of the largest trade exhibitions ever held, and a most successful convention in all respects.

W. N. RUDD, Secretary.

**LADIES' SOCIETY OF AMERICAN FLORISTS.**

The Ladies' Society of American Florists will meet Wednesday and Thursday mornings, Aug. 19 and 20, 10 A. M. at the Shredded Wheat Auditorium. A meeting of the board of directors and officers is called at 9.30 A. M., Wednesday, Aug. 19, same place. Members, don't forget your badge pin. Those who have not paid their dues will find the secretary in the Trade Exhibition.

MRS. W. J. VESEY, President.

**JUDGES OF THE TRADE EXHIBITION.**

President Traendly has appointed the following as judges of the Trade Exhibit, at the coming convention at Niagara Falls: Chas. J. Graham, Cleveland, Ohio; Joseph A. Manda, West Orange, N. J.; Fred H. Meinhardt, St. Louis, Mo.

W. N. RUDD, Secretary.

**NATIONAL FLOWER SHOW.**

There will be a meeting of the Committee of Fifty in Niagara Falls, the afternoon of Thursday, August 20, 1908. This call is issued at the direction of Chairman W. F. Kasting who requests that each member attend and that each committee be ready with

a comprehensive report of work done and suggestions to be offered. The work of the show must be pushed from now until November. On receipt of this notice please communicate with the chairman of your subcommittee and assist him in preparing his report.

Chairman George Asmus of the publicity committee urges that all intend-

ern Central, joining Philadelphia party at Harrisburg.

Chicago: Wabash Railroad. Special train. Several concessions in the way of stop-over privileges, choice of boat routes, etc.

St. Louis: Big Four Railroad. Knickerbocker Special.

Cincinnati: Cincinnati, Hamilton & Dayton Railroad to Detroit, thence by boat to Buffalo and rail to Falls.

Detroit: Steamer to Buffalo, thence by rail to Falls.

#### HORTICULTURE AT THE CONVENTION.

HORTICULTURE'S office will be located in the Cataract Hotel close to the entrance to the meeting hall. A good supply of this issue of the paper will be on hand for free distribution and we shall be glad to have our friends call and exchange greetings. Some one will be in attendance during regular business hours to receive subscriptions and advertisements or attend to any other business connected with the publication. Give us a call.

#### AMERICAN ROSE SOCIETY MEETS AT NIAGARA FALLS.

A meeting of the members of the American Rose Society will be held during the convention of the Society of American Florists at Niagara Falls to transact any business that may come up. The officers elected at the annual meeting last March will take the places of the outgoing officials. August Poehlmann of Morton Grove, Ill., succeeds Robert Simpson of Clifton, N. J., who has held the presidency for the last two years. W. F. Kasting becomes vice-president, succeeding Philip Breitmeyer of Detroit.

The effort to make the American

#### MASSACHUSETTS HORTICULTURAL SOCIETY.

On Saturday, August 8, the scheduled exhibition came off and was of excellent quality throughout. Following are the awards:

Perennial Phloxes:—1st, Wm. Whitman; 2d, George Hollis; 3d, T. C. Thurlow & Co.; 4th, Bellevue Greenhouses. Annuals:—1st, Wm. Whit-



CHAS. H. KEITSCH,  
Superintendent of Exhibition.

ing exhibitors in the national flower show who have new varieties of carnations, chrysanthemums, roses or any other flower to enter, or novelties of any nature, provide the publicity committee with photographs of the same at the earliest possible moment, in order that the novelty may be written up for the newspapers to the benefit of the show and the exhibitor. Considerable advantage may be gained by judgment in the choice of names for new varieties. It is suggested that newspapers show greater interest in new varieties that are named for women of social prominence, and by choosing the name of such a woman in his own locality for his novelty, the exhibitor would confer a graceful compliment upon a possible customer and also help along the show. This may seem a small matter but it is likely to have large effect upon gate receipts. Photographs of the women for whom new varieties are named should be sent to the publicity committee wherever possible. Photographs of flowers for newspaper use should be made as large as possible, showing no background and detail as clear-cut as can be made.

J. H. BURDETT, Sec'y.

#### Routes Selected by Various Delegations.

From New York: Delaware, Lackawanna and Western Railroad. Special train.

From Boston: Boston and Albany and New York Central.

From Philadelphia: Pennsylvania Railroad via Harrisburg and Northern Central Railroad.

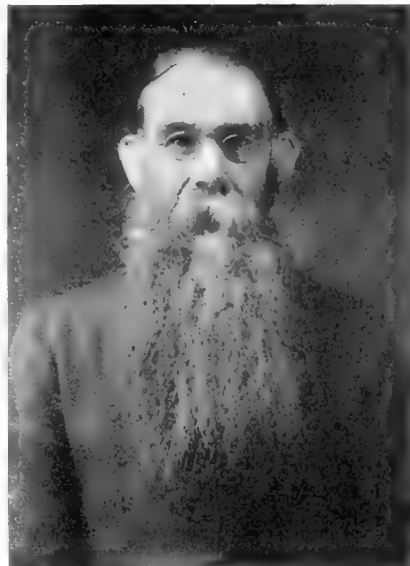
Baltimore and Washington: North-



CHARLES SANDIFORD,  
President Buffalo Florists' Club.

Rose Society financially solid has met with response from one and another and one of the members has promised that if the general membership does not respond fully on or before the date of this meeting he will see that the total balance of the deficiency is made good.

BENJAMIN HAMMOND, Sec.  
Fishkill-on-Hudson, N. Y..



JOHN WALSH,  
Pres. Canadian Horticultural Asso.

man; 2d, Mrs. J. L. Gardner; 3d, Mrs. E. M. Gill.

First Class Certificates of Merit, Cultural:—Wm. Whitman, *Lilium tigrinum*.

Honorable Mention: R. & I. Farquhar & Co., *Dahlia* Mrs. Charles Lanier and Cactus *Dahlia* Queen Wilhelmina; F. J. Rea, *Delphinium* hybridum var. *Pessimon*; B. H. Tracy, seedling *Gladiolus*.

Vote of Thanks:—R. & I. Farquhar & Co., display of *Lilium auratum*, *dahlia*s and herbaceous plants.

Other exhibits worthy of note were, herbaceous plants from F. J. Rea, Bellevue Greenhouses, Wm. Whitman, Mrs. A. W. Blake and Blue Hill Nurseries. The fruit section was well filled by a number of prominent growers of pears, apples, blackberries and peaches.

#### MT. DESERT FLOWER SHOW.

The Mt. Desert Flower Show, held under the auspices of the Flower Show Association, took place August 6 and 7, at the Building of Arts, Bar Harbor, Me. This proved to be one of the greatest successes ever made at Bar Harbor, being the first flower show ever held there and said to be the first ever held in the State of Maine. No show was ever located in a more beautiful spot, the building situated at the base of a pine-covered ridge on the north and, to the south, east and west the mountain scenery with its valleys and gorges is grand.

The committee, to whom great credit is due for the wonderful success of the affair, is comprised of ladies and gentlemen, all summer residents.

To Robert Cameron, Botanical Gardens, Cambridge, Mass., who had

charge of the placing of exhibits, great credit is due for the effective and most charming arrangement. The exhibits exceeded the expectations of the summer visitors and were a revelation to the gardeners themselves. Kenneth Finlayson of the Park Department, Boston, and Wm. N. Craig from the Ames estate, North Easton, Mass., served as judges.

Upon the left upon entering a table of snapdragon and penstemons made a gorgeous display, surpassing anything seen at the larger shows. Next was a grand display of baskets of flowers arranged for effect, some 18 or 20 competing. Mrs. Joseph Pulitzer, E. W. Exstrom gardener, secured the coveted prize; Mrs. J. T. Bowen, Arthur E. Chilman gardener, 2nd. Upon the right a table of large vases of phloxes and roses and carnations, arranged for effect, made a charming display. Further along were tables of annuals in variety, sweet peas and gladioli with stems 4 to 6 feet long. Honors in the sweet pea classes were very evenly divided. In Gladioli Mrs. J. T. Bowen carried the principal honors. The groups of stove and greenhouse plants arranged for effect were greatly admired, first honors going to John I. Kane, Kenneth McLean gardener, and second to Mrs. J. S. Kennedy, W. T. Burton gardener. There was a magnificent collection of stove plants from Mrs. Joseph Pulitzer. In this collection a superb specimen of Allamanda Hendersoni trained in umbrella form secured a certificate of merit, being easily the finest plant in the exhibition. The side tables on the left contained well grown plants of tuberous and Rex begonias, gloxinias, achimenes, fuchsias, etc., the competition in tuberous begonias being very keen, and first honors going to Mrs. John S. Kennedy with J. T. Bowen a close second.

In the gallery a grand display of fruit attracted much attention; especially noticeable were two superb bunches of Muscat of Alexandria grapes shown by Geo. W. Vanderbilt, Edward Kirk gardener, which took first honors as well as certificate of merit. The competition in musk melons was strong, Geo. W. Vanderbilt securing first, and Mrs. Kennedy second. There were especially fine peaches and small fruits in variety. The State Exhibit of Insects in charge of Prof. E. F. Hitchins, State Entomologist, also drew much attention. The competition in vegetables in many classes was strong and a very creditable display made. They were arranged on tables on the northern loggia outside.

The southern loggia contained a fine exhibition of water lilies and other aquatics from Henry A. Dreer of Philadelphia. Upon the lawn were superb specimen hydrangeas from Mrs. Joseph Pulitzer and Mrs. Geo. Bowdoin.

The awards were blue ribbons and red.

WILLIAM MILLER.

#### ALBANY FLORISTS' CLUB.

The Albany N. Y. Florists' Club held its meeting at the greenhouses at P. Tree with attendance of more than forty members. Four new members were elected and two proposed.

The recommendation of the committee to hold a clambake at Henkes Bros., Watervliet, was accepted and it was voted to include the ladies. The committee reported that the circular for the care of house plants was in the hands of printers and would be distributed at next meeting. W. Gloeckner offered an amendment to the by-laws changing the time of meeting from the first to the second Thursday in the month; to be acted on at next meeting. The question of aster disease or "yellows" failed to bring out much discussion the general opinion being that the dry weather had not left many asters to be diseased, one member reporting that he did not have one to bring to the meeting. Mr. Sexton showed some fine flowers of Ipomoea Bona-nox which has blomed exceedingly well this season. Refreshments were served followed by music, vocal and instrumental. The next meeting place will be either at F. A. Danker's or W. W. Hamell's.

#### AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

At the convention in session this week in Minneapolis officers were elected as follows: President, J. W. Duncan, Boston, Mass.; vice-presidents: East—John Henderson, Montreal, P. Q., and C. E. Keith, Bridgeport, Conn. Middle West—J. W. Rodgers, Cincinnati, O., and M. H. West, Chicago, Ill. West—Theodore Wirth, Minneapolis, Minn., and J. W. Thompson, Seattle, Wash. Secretary and treasurer, F. L. Mulford, Harrisburg, Pa.

Henry T. Blake of New Haven, Conn., was elected an honorary member.

Seattle, Washington, was selected as the place for the meeting of 1909.

#### DETROIT FLORIST CLUB.

Election of officers served as a great inducement for the members to appear at the August meeting. The following officers were chosen: Pres., Wm. B. Brown; vice-pres., M. Bloy; sec., J. F. Sullivan; treas., Walter Taepke. Ways and means were enthusiastically discussed for promoting the election of Mr. J. F. Sullivan to the secretaryship of the S. A. F. A sensation in the method of booming as exemplified by Detroit is promised. The Club invites all those who possibly can to unite with the Detroit party going to convention. The boat ride from here to Buffalo is something so enjoyable that it will never be forgotten. Those who desire a berth reserved aboard the boat will please notify Mr. Albert Pochelon, L. Bemis Floral Co., Detroit.

#### TARRYTOWN HORTICULTURAL SOCIETY.

The regular monthly meeting of the society was held on Friday evening, July 31st. Pres. Angus in the chair. The following gentlemen were elected active members: Wm. McIntosh, Tarrytown; Albert Hopper, Tarrytown; Alfred L. Squire, White Plains; Matthew J. Murtha, Tarrytown, and Albert Pettet, Hastings, N. Y. The prize for the evening was for

the best four vases of hardy phlox, awarded to Thos. Lee, gardener to Mrs. Sands, Irvington, N. Y., and honorable mention to Claude Wilson, Dobb's Ferry, for Stanhopea maculata. It was voted to hold no meeting in August.

#### CLUB AND SOCIETY NOTES.

Flower carnivals are announced in New York as follows: Bath, August 18-19; Springwater, August 20-21.

The greenhouse men and all interested in the growing of vegetables under glass at Grand Rapids, Mich., will hold a meeting on Aug. 15 for the purpose of organization to keep in touch with the markets of the country.

At the Sedgwick County Horticultural Society fair to be held in Wichita, Kan., during September, an exhibit will be made for a large fruit exhibit. Arrangements have been made with the Wichita Cold Storage Co. to keep all early consignments in cold storage.

The State Fair of Minnesota has outgrown its quarters and for the approaching fair of Aug. 31 to Sept. 5 Supt. J. M. Underwood finds himself with several applications for space from counties which he is unable to fill. An annex to the agriculture and horticulture building is to be erected at once for their accommodation.

The Oregon State Horticultural Society will meet in Portland on December 1, and the Northwest Fruit Growers' Association will follow with a three days' session. Plans are under way to make this "Horticultural Week" a notable one; several cups and other prizes will be offered for competition by the Horticultural Society.

At a dinner given at the Kebo Valley Club by the Mt. Desert Nurseries to the gardeners of Bar Harbor, Me., in honor of the judges at the recent flower show and to meet them, a committee consisting of Edward Kirk, A. E. Chilman, C. Shand, J. Renwick, Wm. T. Burton, Mr. Styles, Clarence E. Dow, Mr. Exstrom and William Miller, Mr. Miller being chairman, was constituted to form a Horticultural Society, with every prospect of success, the project receiving every encouragement from the summer residents. Two meetings have been called and subcommittees have been appointed.

#### VIVE LE CHRYSANTHEME!

We observe that the French National Chrysanthemum Society has just made a record. It has for some time been their ambition to have 1000 members. The difficulty in reaching this figure increases as the numbers increase, for losses by resignation and death reach a higher percentage. It is interesting to note that the society now consists of 800 members inclusive of 59 affiliated societies. Not a bad result for a society only thirteen years old.

C. H. P.

## A KALMIA LATIFOLIA PLANTATION IN MAINE.



The accompanying illustration may give an idea of the appearance, while in bloom, of a mass of mountain laurel (*Kalmia latifolia*) on the estate of Mr. William A. Rogers, in Kennebunk, Maine. The photograph was taken in the latter part of June this year, and about thirteen months after planting. The plants were wild, collected in central Massachusetts. They are planted for the most part in a rather light, sandy, friable, brown loam, much of which had to be added to the existing top soil, which was of the same character, to receive the minimum depth desired, viz., eighteen inches. In a few spots some of this added top soil is fairly black, but in all cases it is friable and light and yet it does not have that lightness which is a characteristic of peat or black muck when they become dry. It all came from a piece of land which at one time was in vegetable crops of various kinds and therefore manured, in times past at least, but which of late years has been in hay and contained more or less root fibre or humus. The plants seem to be doing equally well in the brown and black loam. Other than as just stated there is no manure in the soil. It may be said in passing, however, that manure judiciously applied is of benefit to mountain laurel.

This plantation stands on ground sloping gently to the north with a rather thin backing of white pines, red spruces and a few other kinds of trees to the south of them. On the north side it is pretty well exposed, standing as it does on the edge of an open mowing field. In view of this fact, and that this part of Maine is visited in winter by truly terrific winds of frequent occurrence and long duration, it has been thought best and perhaps necessary, to give the plants late in the fall a dense evergreen protection, which in this case consists of boughs of the red spruce, a native tree of great abundance in this section of the country. It is intended by experiment to determine how much if any of this winter protection can be dispensed with to see if mountain laurel in this region is in the "iron-clad" class, although it is not improbable that protection may be a necessity on account of the severity

of the climate, and notwithstanding that mountain laurel is a native occurring sparingly not far away and further inland. That protection in any case is beneficial was very apparent this spring when it was removed, as the plants had passed through the winter unusually well, better than they usually do in favored locations; that is, they looked just the same as though they had been carefully stored in a cellar.

The plantation is of rather moderate size, a little over one hundred plants, not all of which are comprised in the illustration. The loss so far is probably less than ten per cent. However, mountain laurel when transplanted not infrequently has a manner of melting away, as it were, apparently without cause, so it may be a little soon to feel sure of what the permanent result will be. This trouble is often brought about by errors in the choice of site for and preparation of the area in which they are planted, and by errors in their maintenance and manipulation, such as too much and deep cultivation, raking away the leaves from among the plants, etc. This plantation so far has not been subjected to any of the above faults and will probably have the best of care in all ways, so that permanently successful results may be hoped for.

H. J. KOEHLER

## THE GLASS SITUATION.

Owing to the unsettled conditions throughout the country only a small proportion of the manufacturers of window glass were in operation up to July, and by July 1 practically all of the hand-blown plants closed down for the summer. While the demand for window and greenhouse glass has been less than normal, the supply also has been much less, so that the manufacturers find themselves with unusually small and broken up stocks, and there appears to be a great scarcity throughout the country of glass in the better qualities.

This applies equally to greenhouse glass, and as no more glass can be made and put upon the market before at least the early part of October, much higher prices are liable to prevail for glass from present stocks.

## ROSES IN COLORADO.

A paper by J. A. Valentine of Denver, Colo., before the American Rose Society.

The State of Colorado, situated a little to the west of the geographical center of the United States, is about 375 miles long from east to west, about 275 miles wide, and has a total population of about 650,000. Denver, the principal city and capital of Colorado, with a population of about 200,000, is situated a little to the east and north of the center of the State. In traveling from Chicago to Denver, your journey would be a little longer than from Chicago to New York.

In going west from here by rail, you reach the Missouri River at Omaha in about five hundred miles. From there for more than five hundred miles you cross an immense plain, with an average rise of about seven feet to the mile, so that by the time you reach Denver you will be a mile above sea level.

## Topography of Colorado.

You will have traversed the State of Nebraska from east to west, and a large part of the State is now fertile and has productive farms, although within the memory of some of those here today it was a portion of the Great American desert, and considered sterile and unproductive. My own personal knowledge of this region only extends back about twenty-five years, but I can very well remember when the meridian of 100 degrees was spoken of as a dead line, beyond which it was absolutely impossible to conduct any farming enterprise without irrigation. Today the situation is so far changed that a great many people are contending that profitable farming without irrigation is possible even as far west as Denver, and, more than that, they are showing a good many substantial results to justify the faith within them.

The eastern half of Colorado is part of the immense plain already mentioned, and the western half is mountainous. The main range of the Rockies lies directly west of Denver, with the crest of the range only about fifty miles away, with numerous peaks reaching an elevation of 14,000 feet, and the gaps or passes ranging from ten to twelve thousand feet. Westward from here the whole State is mountainous, with many fertile valleys between the ranges, some of them narrow and some of them wide; but from the eastern to the western boundary of the State the whole region is arid, with a very light rainfall, which averages about 14 inches per annum in the vicinity of Denver; and farming by ordinary methods is not possible without irrigation. Evaporation is at all times very rapid, and dews almost unknown.

Recently a great many experiments have been conducted under what is known as the "Campbell System," which briefly means intensive cultivation and a retention of the moisture in the soil by continually keeping the surface in a pulverized condition, and thereby preventing evaporation. It is



too early to speak with entire confidence as to results, though success has been achieved in many cases, and the striking results obtained may well carry a lesson for florists whose carnations are suffering from drought in the field.

#### Soil and Temperature.

The whole State is blessed with abundant sunshine both in summer and in winter and, except in the mountainous portions, the winter climate is mild with but little snow. There is a wide daily range of temperature, nights being cool in summer and cold in winter. There is also a great difference between the temperature in the sun and in the shade, largely due to the absence of moisture in the atmosphere. Naturally in a climate so widely different from the climate of the eastern states, problems arise peculiar to this locality.

In any arid region the vegetation is scanty, and this same condition has existed back during the countless years in which the surface soil was being formed. Consequently the soil contains very little fibre and very little decayed vegetable matter, but the soluble salts are apt to be present in large quantities, because there has been little water to dissolve them and wash them away. Some of these salts are beneficial and some of them are harmful. In many localities alkaline salts are present in such quantities as to make the soil utterly useless, and the water of the streams naturally partakes of the chemical qualities of the soil so that in a great many cases the water is so badly impregnated as to be utterly unfit for use. Many florists in the arid region have failed because they neglected to investigate the quality of their water supply before deciding upon a location.

It is generally possible to find soil which will produce good roses in the field, but it is difficult to find it heavy enough to be satisfactory and at the same time porous enough to permit of heavy watering in the benches. Our heaviest soil, called adobe, formed from decomposed shale, is certain to contain alkali, and cracks very badly when dry; but by a careful selection of soil most growers are meeting with fairly satisfactory results, although there is still much to be desired and the ideal soil has not yet been obtained.

#### Manipulating the Soil.

It is not an expensive or a difficult matter to secure a determination of the soluble salts in a sample of water, and the Agricultural Department will furnish valuable advice in such cases if requested. When it comes to an analysis of the soil, the situation is very different, for then the problem becomes very complex, and what with soluble and insoluble food, moisture content mechanical condition, and nitrifying and denitrifying bacteria in numerous varieties, the layman searching for information becomes confused and is quite ready to agree with a recently published statement of Prof. Corbett to the effect that the plant itself must tell you by its action whether the soil is suitable. Yet even the soil sharps quarrel among themselves, and many of them claim that soil analysis is a safe guide. Your Illinois Experi-

ment Station seems to be among the latter, and more than that, they support their claim by results which lead us to hope that the present confusion will some day crystalize into tested and accepted methods whereby the man in the laboratory may give wise counsel to both the man with the hoe and the one with the hose.

Owing to the exceedingly dry atmosphere and the light rainfall, it is very difficult to get good results from the composting of soil in Colorado. If sod is piled up it does not rot but dries out. If manure is mixed with the soil its chemical condition remains unaltered for a long time. Some of our rose growers have on that account absolutely abandoned the use of manure in soil put into the benches, and all growers use it with great caution. When used as a top dressing it should be mixed with about an equal quantity of soil. It is safe to say that if a rose grower in Denver were to top-dress his benches with such quantities of green manure as is used in the vicinity of Chicago, he would hardly have a leaf left on any of his plants at the end of a week. We Denver growers are simply amazed at the impunity with which manure is used in this vicinity.

#### Some Ever Present Evils.

Among the ordinary evils which rose growers have to contend with there are none of them which we do not have. The dry air seems to suit the red spider to perfection, but with our continual sunshine we are able to syringe the roses freely without any bad effect. Blackspot attacks the Beauties and Hybrid Teas to some extent, but is not nearly the scourge that it is in the east. Thrips are like the poor, and are always with us, though I cannot vouch for as many varieties as your Illinois Experiment Station claims; and the greenfly propagates as freely with us as elsewhere, but is eradicated long before we get rid of the thrips. Mildew has been quite a problem with us in August and September. In the summer time our houses not infrequently show a temperature of 110 degrees when they are not shaded, although it is very rare indeed that the weather bureau reports any temperature above 95 degrees, and some of our September days are nearly as hot as midsummer. We frequently get a night temperature in June, July and August of 45 degrees, with 6 or 7 degrees lower than that on rare occasions, and we expect a severe frost about the middle of September. At the place where I have charge, we keep steam in the boilers all through the summer, believing that it pays to do this as a protection against mildew; and yet, last summer we had a great deal of mildew, while one of our neighbors did not fire at all and his stock was perfectly clean. Owing to the dry air one would naturally expect us to be free from this trouble, and I am not competent to say why we are not.

#### Own-Root and Grafted Roses.

A number of years ago our tea roses were not producing well, and were not making a good growth. Investigation disclosed the presence of immense number of eel worms. Our dry climate and our mild winters seem to be just suited to the production of nematodes

in the open ground. After a very thorough comparative test, we abandoned the growing of tea roses on their own roots, and have now for a number of years grown them only on Manetti. For a considerable time we sterilized the soil that we put in the benches, but this process has been abandoned as the Manetti stocks have seemed to be perfectly immune. I believe that a large proportion of the tea roses grown in Colorado are now grown on Manetti stocks.

The growing of American Beauties on Manetti has been quite extensively tried, but the results have not seemed to be decisive either for or against this method, and the gain, if any, was so slight that all Beauties are now grown on their own roots.

So far as I know, none of our native roses have ever been used as stocks upon which to graft or bud roses for forcing or garden use, and I presume the probabilities are against securing any good results, but the experiment ought to be worth trying. We have one or two native roses that are quite vigorous in their growth, and they are doubtless resistant to the evil effects of the alkaline salts so generally prevalent in the soil. Probably nothing but an actual test could determine how well they would respond to winter forcing, though the chances are that they would prove rebellious.

Dormant roses of all kinds are hard for us to handle. They are slow in making roots, and it requires careful handling to keep the wood from shriveling. Such roses as the Crimson Rambler are always in evidence in the stores at Easter time, but plants that are really well done are always scarce, and no grower can be absolutely certain of his results.

#### Roses in the Garden.

Our people as a rule are but just beginning to show a proper appreciation of garden roses and shrubbery, and within the last few years business in these lines has largely increased.

Owing to the peculiar climatic conditions already outlined, the growing of roses in the garden always presents a great many problems, and it is a difficult matter to get the average householder to understand just what is required in the way of care, so that repeated failures have discouraged a great many. Dormant roses shipped in from the east generally arrived with the roots badly dried, and a large percentage of them die. Reputable concerns should, for their own sakes, use more care in packing shipments for the arid states so as to prevent this drying out. Shipments are also made by the itinerant peddlers, who care nothing for the interests of their customers, and the buyer is not entitled to much sympathy when he finds his investment a total loss. But such transactions are an injury to the business, for a man is loth to try again if his first purchase proves a failure.

#### Winter Severity.

Roses which are hardy in regions where the temperature goes very much lower than it does in Denver, often winter-kill with us, but it is not the severe cold which kills them. A plant suffering from drought will not endure the same degree of cold that it would

if the soil were in a reasonably moist condition. Since the first of November we have had a total rainfall of less than 1 1-2 inches up to the 15th of March, and during that time we have only had three storms where the precipitation was one-quarter inch. Then again we have had a great many warm winter days, and especially warm days in February, March and April, which makes the buds swell, only to be severely frozen later on.

During this same period the nights are generally about 25 degrees colder than the days but this difference sometimes reaches to more than 50 degrees, and on rare occasions to nearly 60 degrees. It is obvious that a day temperature of 70 degrees, followed by a night temperature of 20 degrees in April, is more than any rose plant can well withstand.

The drying winds and the bright sunshine also work a great deal of harm, and with us it is more essential to provide protection from the sun than it is from the cold. We find that plants on the north side of a tight board fence generally come through the winter in pretty good shape, while those on the north side of the same fence are very apt to die. Tea roses do not seem to have vitality enough to withstand our winters even when protected, but the hybrid teas do very nicely and are planted quite largely. Climbing roses are apt to have the wood badly killed back unless they are in a position where they are sheltered from the sun.

Owing to our dry winters, few hardy roses are planted in the fall, and spring planting of field-grown stock often meets with failure unless the planting is done very early. In our establishment we have advocated the planting of young roses from four-inch pots in preference to field-grown stock, the results being much more satisfactory. By fall these roses are vigorous bushes and in good condition to endure the hardships of the winter. Roses on their own roots are much to be preferred to budded stock for the garden, because if the tops are badly killed back they are likely to make good growth again from the bottom.

#### Colorado's Florists Are Intelligent and Progressive.

I find that in many quarters the idea prevails that an apprentice who has served a year or two in the east can come to Colorado and rank as a first class florist. In other words, it is thought that our methods are crude, our growers ignorant and unskillful, and our structures of an obsolete type. We are apt to be a little resentful of such an assumption, for it is erroneous and while I do not wish to appear boastful, it is due the florists of our section to say that they are an intelligent lot of men, whose character and methods will not suffer by comparison with the florists of any other section. While our houses are not as expensive or as extensive as some in other parts of the country, they are in the main well suited to the purposes for which they are intended. Our rose growers do not cut a large number of flowers on extra long stems that would grade as "specials" in this market, because our market does not demand much stock

of that grade, and also because our climate tends to produce a more slender growth and a more early setting of the buds; but the stock averages well, is well colored unless faded by too much sun, and would sell well in any market.

#### Advice to the New-Comer.

Nothing which I have said should be construed as intimating that the problems with which we contend are more difficult than those encountered in the eastern states, but they are different. Our ranks are constantly being augmented by accessions from the east, and any florist who has succeeded there may confidently expect to succeed anywhere; but he will make a great mistake if he allows his previous success to blind him to the fact that a strange country means strange conditions, and that those who have gone before him are in all probability able to aid him by a recital of their own mistakes. Whether they will aid will depend largely upon his own attitude.

The people of the west speak of a new-comer as a "tenderfoot," and until he has become acclimated he will find it politic to assume a meek and lowly demeanor. If he does he will receive a cordial welcome and find his fellow florists a lot of good fellows; but if he begins by commenting adversely on what he sees, and sins still further by predicting the things he proposes to accomplish, he cannot wonder if the natives stand back and prepare to laugh, when he proves the truth of the adage that "Pride goeth before a fall."

Most rose growers who come to our climate from the east come with a feeling that the dry air and continual sunshine are all that they need to insure success, and there is no disguising the fact that we are free from troubles that are so serious a matter to our eastern brethren during the dark days of winter; but dry air and sunshine are not the only essentials. The regions where vegetation grows luxuriantly are regions that have a humid atmosphere and the cloudy days which necessarily come with such an atmosphere. Many a rose grower has come to Colorado, and scornful advice has attempted to dry off his roses in the summer for the purpose of starting them up later, as he had been accustomed to do. The drying is easy but the subsequent starting is a problem. We frequently carry over roses to the second and even the third year, but we do not attempt to stop them, and we keep them practically in full growth, even if we propose to transfer the bushes from one house to another.

#### CHICAGO PERSONALS.

William Lynch, of Hunt's, leaves on Saturday for Niagara Falls to place the firm's convention exhibit of the Witthold watering device, To-Bak, cement benches, etc. Among the conventionists Miss Mamie Corbett, of Bissett & Washburn's, is in Wisconsin. John Horstruan, of the same firm, is taking an outing; Miss Joseph Thayer, of the Flower Growers' Market, goes to Michigan.

#### NEWS NOTES.

The Thompson Carnation Co., Joliet, Ill., lost one of their greenhouses by fire on August 3.

A card from A. Leuthy of Roslindale, Mass., announces his safe arrival at Gand, Belgium.

Hans J. Koehler will go to Seattle, Wash., at the end of August to superintend the planting of the grounds for the Alaska-Yukon-Pacific Exposition for Clmstel Bros.

H. S. DeForest, of the Pierson V-Bar Co., New York, has just returned from a successful western trip.

John H. Taylor, Bayside, N. Y. had a loss of about \$1000 on chimney and glass in the severe thunderstorm on August 7.

C. B. Knickman of McHutchison & Co., New York, sails for Europe on August 13, on a business trip. England, Holland, Belgium, Germany, France and Switzerland will be visited. He will be accompanied by Orlando Harrison of Berlin, Md., ex-president of the National Association of Nurserymen.

S. F. McGrew has been appointed receiver for the Fairview Floral Co. of Springfield, O., with assets at \$23,600 and liabilities \$13,350, on the petition of Dr. C. S. Kay and M. S. Kirkpatrick, two of the heaviest stockholders. The business will be continued for the present. The plaintiffs took this step to protect themselves against personal notes issued for the company.

What appears to be one of the most acceptable devices ever offered for the convenience and economy of the greenhouse man is the Castle pipe coupling advertised in another page of this paper. It is ingenious and simple, requiring no mechanical skill, threading or other expensive delay and can be applied directly to boiler tubes, being particularly useful in a sudden emergency. It is worth investigating.

## WANTED Immediately

First class American  
Beauty Grower

DALE ESTATE, Brampton, Canada

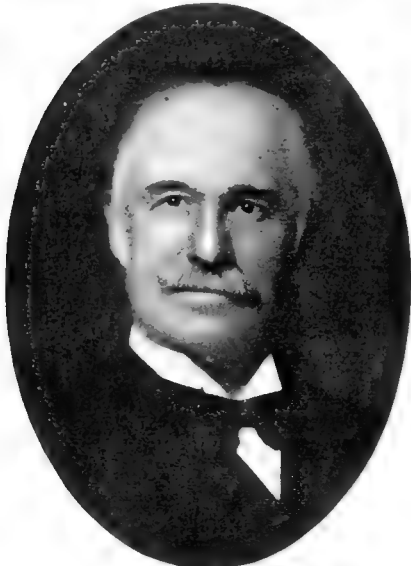


### OBITUARY.

#### Warren W. Rawson.

W. W. Rawson, known all over the country as an enterprising and prosperous market gardener, died at his home in Arlington, Mass., on Sunday, Aug. 9. He was taken suddenly ill on Friday of the previous week and underwent an operation for appendicitis, from which he did not recover.

Mr. Rawson was born in Arlington, Mass., Jan. 23, 1847. At the age of 20 he entered market gardening with his father, and five years later bought out his father's interest, from which time he rapidly forged ahead until he stood in the front rank as an operator and as an expert in all branches of market gardening, particularly under glass, his interests in this line being very extensive. He was always ready to experiment on any line that suggested improvement, and among other things attained wide prominence by



WARREN W. RAWSON

his investigations of the effect of electricity on the development of produce. In 1884 he acquired the seed business of Everett & Gleason in Boston and at the time of his death was still conducting it in partnership with his son, Herbert W., under the name of W. W. Rawson & Co. He was a very active man and was identified with many organizations, business, social, political and fraternal, including the G. A. R. In 1887 he organized the Boston Market Gardeners' Association and was its president continuously from that time until his death. He was a vice-president of the Massachusetts Horticultural Society. He held many public offices from time to time, and in 1905-06 was a member of the governor's council. The funeral services on Aug. 12 were conducted by Cambridge Commandery, Knights Templar

#### George Cooke.

George Cooke who was killed on August 6th by a runaway accident in California near San Diego was a notable character and horticulture and landscape gardening suffered a great loss by his death.

He was born in England near Leices-

ter and remained always a typical Englishman both in physical appearance and mental and moral characteristics.

His training and experience were naturally largely English and he held in the course of his life several important positions of trust in England the duties of which were more those of a steward than of a gardener.

He early acquired a wide technical knowledge that enabled him to both grow orchids and take charge of a large farm and breed cattle and sheep as he did in fact on one of the largest estates in England.

In engineering, especially in the construction of roads, drainage and irrigation his ideas were original and valuable, but it was as a landscape gardener that he especially excelled. He was a good plantsman, there are few better, he knew the names of the plants and more than that he knew how to plant them from an orchard to a shade tree. But he was not only a horticulturist, he had attained a broad and genuine grasp of the fundamental principles of landscape gardening. A true artist in his own way, he was always original and remarkably free from bias produced by early training or conventional models. All country places were parks to him to be designed on the same natural lines, and he was always looking out for bits of scenery by the roadside which would give suggestions for the plans on which he was engaged. In other words his habit was to look at designing work with the eye of a painter and as an illustration of this trait it is interesting to remember that he always loved painting and never missed a chance if he could help it of seeing a good picture. He spoke frequently with pride of a Constable he was able to pick up at a moderate price.

During his more expansive moods, after a good dinner following a hard day's work it was a pleasure and a valuable experience to listen to his critical remarks on the various parks and country places he had studied both in this country and England. The one dominant characteristic of his mind, however, was thoroughness—attention to detail was a ruling passion with him. He wore himself out endeavoring to secure the utmost perfection in the execution of his plans. Rather than have the least imperfection develop he would undertake a vast amount of actual work with his own hands. In spring he would be abroad from six in the morning to eight at night setting out trees and shrubs himself and he certainly had a genius or knack for planting them I have hardly ever seen equalled. Pursuing the same thorough method he probably did as much as any man of his time to elevate the standard of excellence of trees and shrubs purchased from nurseries, as I think many nurserymen in both England and America would readily testify. He would hunt for hours through a square of thousands of trees and perhaps find fifty to suit him.

George Cooke was moreover a generous man as many a gardener in hard luck has found out. But he was extremely reticent, blunt, and laconic in speech which prevented many from

realizing this kindly side of his nature. It was a pity that he did not move about more among men, but he was simply devoted heart and soul to his work and it cannot be denied that in this way, his social and domestic relations suffered.

He leaves a serious gap in his profession on account of his strong, honest, original character and on account of his independence in thought and diligence in endeavor.

SAMUEL PARSONS.

#### Louis H. Sander.

We learn with sorrow of the death, after fourteen months of suffering patiently borne, of Louis H. Sander who has been associated for the past twelve years with Jackson Dawson in the outdoor work at the Arnold Arboretum, under Professor Sargent.

Mr. Sander was born June 30, 1856, and came from Germany to America in 1882. He worked as a farmer at



LOUIS H. SANDER

Falmouth, Mass., until 1895 when he went to the Arboretum. Early in the summer of 1907 Mr. Sander underwent an operation for appendicitis and since that time has been an invalid. He died on August 11 at his home in Centre street, Jamaica Plain, Mass. The burial was at Walnut Hill Cemetery, Brookline.

Mr. Sander was a superior man, intelligent, industrious and very highly esteemed. His work at the Arboretum gave the greatest satisfaction. He was for some years a member of the Gardeners' and Florists' Club of Boston. He is survived by a widow and three daughters. His brother, Charles Sander, gardener for many years at the estate of Prof. Chas. S. Sargent, Brookline, Mass., is well known.

#### Christian Rieger.

Christian Rieger, of Pittsburg, a wire design manufacturer of long standing, died on August 2, at the age of 66. He was a member of the S. A. F., and was a familiar figure at their conventions. His son, Harry, was connected in business with him and will continue same.

## A FINE MELON CROP.

The garden committee of the Massachusetts Horticultural Society on August 7 visited the H. H. Rogers estate at Fairhaven. After inspecting the new park which Mr. Rogers has at enormous expense transformed from mud and marsh into a beauty spot of about ten acres in extent and is presenting to the town, under the guidance of James Garthly, they visited the melon patch, 66x78, upon which were growing (roughly counted) 1000 muskmelons, Honeydrop, Montreal and another kind sent for trial. One melon of the unnamed variety tipped the scales at 13.34 pounds. The crop was well worth a journey to see. Plants the picture of luxuriance, melons about as thick as they could find room to grow and, as experience afterwards proved, of flavor equal to appearance.

Mr. Garthly has grown melons upon the same patch of ground for six years and considers that the main secret of success and freedom from blight lies in early planting and good cultivation. The seeds were sown on May 12 in the place where they were to grow. A hand light was kept over them closed, until the formation of the second or third leaf when air was admitted judiciously and the light removed as weather conditions permitted.

The committee then adjourned to Fort Phoenix where they enjoyed a Fairhaven clam bake and verified Mr. Garthly's statements concerning the quality of his melons.

THOMAS WHITE.

## A New Firm.

Our advertising columns tell of the advent of a new firm which is undoubtedly destined to take a prominent part in the trade activities of the future. Messrs. Skidelsky and Irwin, who compose the firm, are both well known. Probably no one has a larger acquaintance with the trade from one end of the country to the other than Mr. Skidelsky. We wish the new house the abundant prosperity which they merit and will undoubtedly get.

## THE LIBRARIES OF LONDON.

A very neatly clothbound, well printed handbook has just been published at the trifling charge of sixpence by the University of London, Eng., bearing the above title. It contains a list and details of all the libraries in London from the great national collection in the British Museum down to some of the small libraries of the special societies devoted to the various arts and sciences. The name of the library, address, number of volumes, and notes concerning the subjects and sometimes the origin of the libraries are given. A remarkably interesting and useful guide for foreign students in our great Metropolis. The Lindley Library of Horticulture and the Kew Gardens Library of course are included.

## HORTICULTURE PUB. CO.,

Please discontinue carnation ad. All sold out.

HARLOWARDEN GREENHOUSES.  
Greenport, N. Y., Aug. 10, 1908.

## TWO GENTLEMEN OF PHILADELPHIA.



CHAS. E. MEEHAN, Vice-Pres.



E. J. FANCOURT, Secretary.

Last year we presented the portraits of two members of the Pennock-Meehan establishment in Philadelphia and it is now our pleasure to introduce two more who, however, hardly require an introduction, Mr. Fancourt particu-

larly, being known wherever an intrepid traveling representative has ever succeeded in penetrating. Mr. Fancourt is manager of the ribbon department of the Pennock-Meehan Co. and will have something lovely to show at Niagara Falls.

## When Passing through Philadelphia

Come to West Grove, Pa.—the home of the Rose. Our place will prove interesting with its seventy greenhouses of Roses, Chrysanthemums, Geraniums and a varied assortment of miscellaneous plants including a grand collection of Rex Begonias and Ferns. We have twenty acres of outside stuff—flowering and ornamental shrubs of many kinds, Cannas, Dahlias, Roses, Carnations, etc. All are cordially invited to pay us a visit. Trains leave Broad St. Station Pennsylvania R. R. Baltimore Cent. Div. of P. B. & W.R.R.

## The Dingee & Conard Co., West Grove, Pa

### RESULT OF ADVERTISING A GOOD THING IN A GOOD PAPER.

Beechwood Cemetery Company.

Ottawa, Can., Aug. 22, 1907.  
Bostrom-Brady Mfg. Co., Atlanta, Ga.:  
Gentlemen:—The Level arrived all O. K. Tuesday. We are all well pleased with the instrument. Enclosed you will please find express money order for amount of bill. Kindly send receipt for same, and oblige.

Yours very truly,  
W. CRAIG, Asst. Sec.

The Jewell Nursery Co.

Lake City, Minn., May 7, 1908.  
Bostrom-Brady Mfg. Co., Atlanta, Ga.:  
Gentlemen:—Your leveling instru-

ment is received and in every way is satisfactory.

Yours very truly,

THE JEWELL NURSERY CO.  
Dict. J. M. UNDERWOOD, Pres.

### LIST OF PATENTS.

- 894,862. Flower Pot. Moses W. Urban, Sterling, Pa.
- 894,887. Lawn Mower, James H. Holland, Shasta, Cal.
- 894,911. Surface Plow, Weeder and Grubber, George L. Stookey, Lehi, and Joseph J. Turner, Clover, Utah.
- 894,970. Seed Testing Apparatus, David W. Miner, Fairfield, Iowa.
- 894,922. Seeder Attachment, John W. Hunze, Cape Girardeau, Mo.

# Cataract

and

## International Hotels

Convention Headquarters

### Society of American Florists

Rates \$3 to \$5 American Plan

Accommodations for 1000

#### BEDDING PLANTS.

A paper read by Louis Boeglin before the Twin City Florists' and Gardeners' Club.

In a paper on "Bedding Plants, their Propagation and Preparatory Culture," before the Twin City Florists' and Gardeners' Club, Louis Boeglin named as among the best cannas for large beds, the tall growing varieties Alphonse Bouvier, Duke of Marlborough, Flamingo, J. D. Eisele, Chas. Henderson, Florence Vaughan and Paul Marquant. For smaller beds the low growing varieties, such as Express, Egandale, Premier, Queen Charlotte, etc. In bedding geraniums, he places S. A. Nutt, Mrs. E. G. Hill, Miss Perkins, Beaute Poitevine, Gen. Grant, A. Ricard, Warrior, Buchner, Madame Bruant and Jean Viaud among the first.

#### Flowering Plants of the Best Sorts.

He said that begonias should be grown more than they are today, and most of them will stand the sun well if properly treated while growing. He named as the best tuberous begonias Duke of Zeppelin and Lafayette, both having the flowers well above the dark foliage and being continuously in bloom, and as the best fibrous or semperflorens type Vernon, Erfordi pink and red, gracilis and gracilis luminosa, Triumph de Lorraine, Bijon, Bedding King and Dewdrop, all of which varieties are perfectly sunproof.

The best salvia is splendens compacta Zurich, a variety introduced by W. Rothpletz, superintendent of parks, Zurich, Switzerland, and first imported here a few years ago by Theodore Wirth. The best heliotrope is the

Czar, a healthy, strong-growing variety with good foliage and solid dark flower-spikes. The best impatiens is Sultani Holstii with bright red flowers and fine foliage. Of ageratums Stella Gurney is the best, a healthy dwarf grower and free bloomer. In verbenas we have venosa, Aubletia compacta and erecta purpurea. Verbena venosa is a most charming bedding plant with dark foliage and a mass of purple flowers. Verbena Aubletia compacta, a last year's novelty, is considered one of the best introductions by the leading florists of France, Germany and Switzerland. It is of the venosa type, the flowers being larger and more reddish. Verbena erecta purpurea is also a good addition to our bedding verbenas. The plant is dwarf, robust, upright growing; the flowers dark purple and it is a first-class bedder. Verbena erinoides, with its trailing habit and pure white flower, is useful to plant boxes and vases.

#### Dwarf Foliage Plants.

In dwarf foliage plants the best bedders in colouses are Verschaffeltii, Golden Bedder, Firebrand and Firefly. In iresines we have Vallisi, Bienmulleri, and in achyranthes, formosa, Lindenii, reticulata and aurea reticulata. In centaureas, candidissima, gymnocarpa and maritima. In pyrrhums, parthenifolia, selaginoides and excelsa. In santolina, tomentosa and incana. In gnaphalium, lanatum major and lanatum minor. In artemisia, stelleriana and arborescens. In abutilon, Savitzii, etc. The most popular alternantheras are, paronychioides major, aurea major, aurea minor, spectabilis, versicolor, sessilis and rosea

**ISRAEL ROSNOSKY**

will represent

**Henry F. Michell  
Co.**

**PHILADELPHIA, PA.**

at the

**FLORISTS' CONVENTION**

BETWEEN YOU AND ME, What do you think of the Buyers' Directory and Ready Reference Guide of HORTICULTURE? I always look it over before I do any buying

**TOWER HOTEL**

**Niagara Falls, N. Y.**

Is soliciting your patronage during the S. A. F. Convention.

Very truly yours,

**M. J. HOENIG, Prop.**



nana compacta. In echeverias, secunda, secunda glauca, desmetiana and metallica. In sempervivums, cornutum, Smithii and teretum. In sedums, lydium aureum, acre elegans and carneum variegatum.

#### Plants for Subtropical Effect.

For tropical and subtropical effects, Mr. Boeglin mentioned ricinus, Musa ensete and Martini; in nicotiana, macrophylla, N. collettii and N. collosina variegata; solanums, robustum, atropurpureum and maritimum—especially desirable, and Solanum paniculoides as a climber, very effective with its pure fine flowers and fern-like foliage, which, if planted near tall plants, will climb over them and produce a charming wild appearance. Also palms, caladiums, eucalyptus, tall growing abutilons, acalypnas and crotons and the ornamental grasses such as arundos, eulalias, erianthus, gyneriums, zeas, bambusas and pennisetums.

#### Starting Cannas.

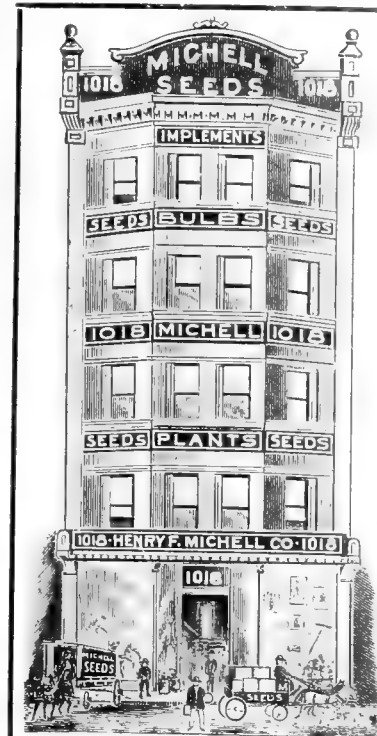
He then gave careful cultural directions on the various classes of plants from which we extract the following: "Canna roots before starting them in sand should be properly cleaned for very seldom you have perfectly sound roots. If they are black spotted, cut all dead and black spotted parts off and keep them growing as fast as possible to give the black spots no time to gain. When 4 to 5 inch long they should be potted in 4-inch pots in good, rich soil. Cannas are great feeders; the better the soil, the better the result.

#### Begonias from Seed.

"To raise begonias by seed, the seed should be sown the last part of January. In preparing the boxes for this purpose, put on the bottom about two inches of moss, on top of the moss about one inch of fine sifted soil with one part of sand and two parts of leaf mould, give the boxes a perfect soaking before seeding to avoid sprinkling, which the young plants can't stand. If properly soaked the moss on the bottom will retain enough moisture to supply the young plants till they are fit to be transplanted. Begonia seeds should never be covered with soil or sand. The seed boxes should be covered with glass and the glass cleared each morning until the plants are strong enough to do without. If treated this way the seed will be up in ten days and in another two weeks the plants are ready to be transplanted. Prepare the boxes the same way, transplant the young plants carefully, cover with glass for about two weeks and your plants will be strong enough to stand a good watering. Three weeks more and the plants are fit to be potted.

#### Begonias from Cuttings.

"To grow begonias from cuttings, we must have before all, good 'mother-stock.' The best for this purpose are old plants potted in the fall. Cut them back to one or two inches from the pot, keep them growing in a warm place so they will make nice shoots from the bottom and you will have good cuttings, which is the foundation of success in growing begonias. It is absolutely useless to try to grow begonias without having the right kind of cuttings. Top or head cuttings will never break out but will be growing to a single stem and never amount to



The house of Michell, for almost a quarter of a century, has stood for progressiveness and success.

It occupies, to-day, as fine a building as will be found anywhere devoted to the

## Seed, Bulb and Horticultural

industry, and is on the eve of making a move to occupy more pretentious quarters, having purchased the large, five-story building known as "TOWER HALL," 518 Market Street, which in time will be occupied by them, the floor area of this building being about 39,000 square feet.

From a modest beginning it now ranks as one of the foremost Seed and Bulb Houses in America.

## HENRY F. MICHELL CO.

SEEDSMEN AND DIRECT  
BULB IMPORTERS

1018 Market Street, Phila.

It will pay you to drop us a postal for our wholesale catalogue.

HENRY F. MICHELL, Pres. t. FRED K. J. MICHELL, V.-Pres. t

anything. All begonia cuttings should have at least one eye to produce stocky plants. Begonias like a loose, light soil, not too rich.

#### Mother-Stock.

"As to foliage and border plants, keep in mind to bring a few in from each kind before they are frost bitten in the fall, pot them properly, cut them back, treat them right and you will have cuttings by the bushel. Cuttings made the beginning of September of coleus, ageratum, salvia, gnaphalium and cuphea will grow to fairly good mother-plants through the winter. The best mother-stock in alternanthera are cuttings made in September right in boxes in ordinary sandy soil. A common box 20 inches long, 12 inches wide and 3 inches deep will hold about 100 cuttings. Stick the cuttings deep, give them a good place near the glass, treat them properly and you will have healthy cuttings in quantity. To have good plants of acalypnas and abutilons, cuttings have to be made in the fall. Plants from spring-cuttings are not large enough for effective bedding. Seeds of tropical plants must be sown the last part of February in a very hot place. Once transplanted you have to keep them growing without rest to have the best results.

#### Cultural Methods.

Don't shade your stock too much; give rather more air, for sun and air produce sturdy stock. Frames with fresh transplanted stock ought to be closed and shaded for a short time, shaded only from nine o'clock in the morning till three o'clock in the afternoon. Morning and evening sun will never hurt plants but will be very profitable to them.

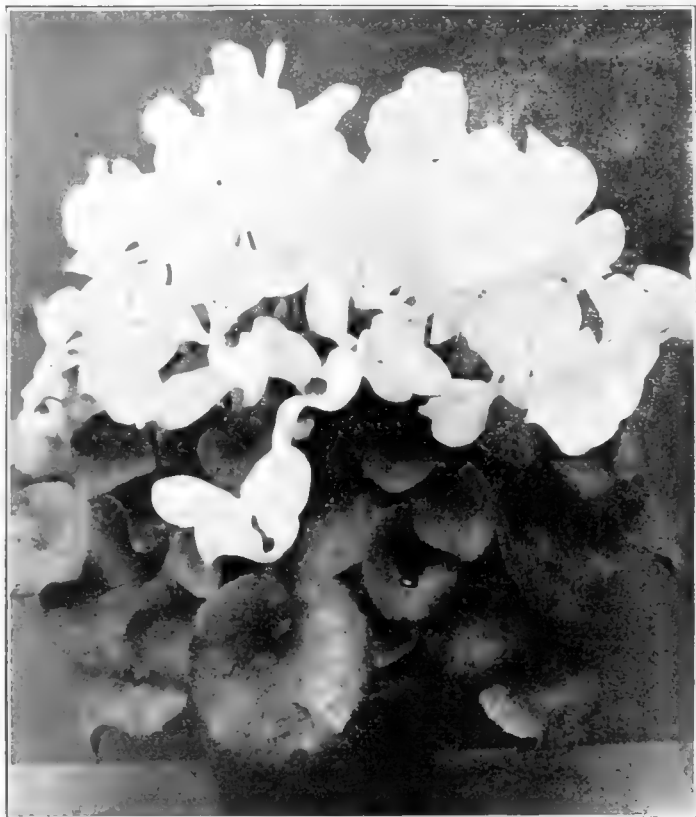
"Beginning the last part of April we have still time to grow a lot of bedding stock which will be large enough at planting time. Coleus, salvia, ageratum and alternantheras can still

be grown successfully. If you have warm frames, put about one inch of soil on top of the manure, place your empty pots nicely, fill the pots with sandy soil, pack a little and give them a perfect soaking. Then stick your cuttings in the pots, in just the same way that you transplant seedlings, then keep the sash closed until they are rooted, which requires about one week. By this method you save time and labor and the work is done just as well as if the plants were potted on the table. You have to watch the stock closer in hotbeds than you do in greenhouses. Sometimes the bed turns too hot and in this case we must give plenty of air; don't be afraid to let in a little air over night. If a bed turns cold, renew the manure in the walks, it helps a great deal in such cases. The bed has to be covered before the sun sets. Covering and uncovering is about the only additional work we have in order to grow plants in hotbeds, but plants grown the right way in frames are bedding plants to perfection. This little additional work does not scare a good gardener, for we all know the truth of the old saying, 'No award without pain, no harvest without sowing.'

#### MOVEMENTS OF GARDENERS.

Augustus Zirngiebel of Needham, Mass., has taken a position as superintendent of the estate of Bronson Winthrop at East Norwich, N. Y.

Charles McCauley of Washington, D. C., has taken a position as manager with Geo. R. Fabyan, Geneva, Ill. Mr. McCauley has been secretary of the Florists' Club of Washington for the past three years, and at their August meeting where his resignation was offered, he was presented with a silver loving cup. Mr. W. F. Gude, the host on this occasion, made the presentation speech.



# CYCLAMEN

## NEW CROP

To obtain large flowering plants for Thanksgiving and Christmas 1909, seeds should be sown now. For the florist, our Giant Cyclamen is unsurpassed.

**Giant Crimson**   **Giant Blood Red**  
**Giant Salmon**   **Giant Pink**  
**Giant Excelsior**, White with claret base  
**Giant White**   **Giant Cherry Red**  
**Picturatum**, Pink with claret base

Price per 1000 seeds, \$10.00  
 100 seeds, \$1.00

**R. & J. FARQUHAR & CO.**  
 6 & 7 So. Market St., BOSTON, MASS.

### SWEET PEA REVIEW FOR 1908.

At Fordhook the sweet peas in common with the other vegetable and flower trials have suffered from the drought, but the showers of July 4th and later made the vines jump and at the time of inspection, the trials look very much better than we expected to find them and we must pause to remark that it is a magnificent sight to look over this piece of something more than two acres in which have been planted 547 samples—323 grandiflora and older types; 9 of the so-called doubles; 142 novelties sent out in 1903 or to be introduced in 1909; 16 bush and 28 cupid varieties.

The Re-Selected Earliest of All and Earliest White are now podding—showing that they came into bloom very early in withstanding the poor season. Earliest White has for several seasons proved to be the earliest variety planted at Fordhook. Dorothy Eckford is still to the fore in the grandiflora whites while Shasta with its fluted petals is of value to florists as is also White Wonder owing to its tendency to produce sprays of from five to eight flowers and some of these occasionally doubling in the standard. In the Primrose class of grandiflora The Hon. Mrs. E. Kenyon still holds her own. While Mrs. Collier (practically a Primrose Dorothy Eckford) may be of better substance, yet the color does not seem quite so deep.

In light pinks, Modesty, Lovely, and Katharine Tracy still show up well. Eckford's Agnes Johnston is a beauty. Janet Scott is still the best of her class while old Prince Donna will ap-

pear to those desirous of obtaining a lighter shade. Among the scarlets and reds who would ever have expected in sweet peas such glorious coloring as is found in King Edward VII and Queen Alexandra? For brightness we prefer Queen Alexandra, but for form think King Edward VII is the better.

In the darker colors there has been added this year Midnight, a sport from David R. Williamson, so dark a purple and with standard and wings so nearly alike in color as to give the flower quite a black appearance. In the striped and mottled class Helen Pierce, which has a white ground mottled and flaked with a bluish lavender, now holds first place. In the lavender or mauve class we note that Flora Norton and Miss H. C. Philbrick are identical.

Navy Blue, for some years considered the best of the blue or purple varieties, will now be superseded by Brilliant Blue, a variety identical with Lord Nelson, recently introduced in England. In the orange and salmon class, Henry Eckford requires to be shaded during the blooming period to bring out the color and prevent burning and for this reason will never become as popular as some other varieties. Earl Cromer, one of Eckford's recent introductions, is a peculiar shade of magenta and burns a disagreeable color in our climate.

As to the Spencer and Unwin types it is now generally conceded that the Spencer class produces flowers that are larger in size and more decidedly crinkled or waved in the wings. Seed of Countess Spencer the first of this race, found its way to America about 1903 and owing to its open keel it was

difficult to fix the variety true to color. Perhaps if it had not been for this open keel it would have been some time before we were able to obtain the different colors now offered in this new type. The Unwin type originated a few years after the Spencer.

Apple Blossom, the White and the Primrose Spencers, Burpee introductions in 1908, have bloomed well, but unfortunately are not yet thoroughly fixed as to type although the flowers that fail to show the crinkled effect are of fine substance and tremendous size. Countess Spencer is a soft rosy pink, while Florence Morse Spencer, is best described as a lighter pink-edged Countess Spencer. John Ingman is rosy crimson but will eventually have to give way to George Herbert, a bright rosy carmine. Paradise is too near Countess Spencer to be considered a separate variety. The Marquis is of a rosy heliotrope color but not so large as some of the other Spencers. Princess Victoria is somewhat similar to Florence Morse Spencer and does not seem to be wanted. Menie Christie has flowers that show the fluted effect and is very similar in color to the old Captivation which has been described as a deep magenta, but we think a better description is standard rosy purple with wings much more purple.

Among the new varieties which have been planted at Fordhook for the first time are:—

Aurora Spencer, much brighter and handsomer than the Grandiflora Aurora and distinctly of the Spencer type; Dorothy Tennant Spencer, a large

## New Sweet Pea --- Burpee's

## EARLIEST WHITE

**Burpee's Earliest White** comes into full bloom in forty-five days after the seed is planted in the open ground. The dwarf plants, sixteen to twenty inches high, are clad in rich dark-green foliage and carry a profusion of the pure white flowers borne upon strong stems six to eight inches long. Each stem has two or three of the fully expanded well-formed flowers, of good size and placed close together.

From seed planted on May 15th BURPEE'S EARLIEST WHITE is in full bloom on July 1st, while *Mont Blanc*, planted the same day, was showing only a few buds. It is also wondrously profuse in flowering.

**Burpee's Earliest White** is not only as extremely early but also just as hardy as the famous pink-and-white *Burpee's Earliest of All*. It has black seed,—and is really the only clear white Sweet Pea that has! This insures a better stand, stronger and more thrifty plants.

**2956 Burpee's Earliest White** is not only the earliest white in the open ground but is also unequalled for forcing. The plants under glass begin to bloom freely when only twelve inches high and continue to grow and flower profusely until, when six or eight feet tall, they reach the top of the greenhouse; the plants can then be cut back, if desired, and will make an equally vigorous second growth. Per pkt. 10 cts.; per oz. 20 cts.;  $\frac{1}{4}$  lb. 60 cts.; per lb. \$2.00.

If you have not received Burpee's Blue List for 1908 (Wholesale Price List for Market Gardeners and Florists), you should write for a copy. This catalogue, from cover to cover, is full of information of interest to all planters of seed.

## W. ATLEE BURPEE & CO.

Philadelphia, Pa.

flower but not bright enough to ever become very popular; *Flora Norton Spencer*, a little smaller than the other varieties, with a little more purple in the standard than appears in the ordinary type; *Senator Spencer* for a striped variety is quite good, while *Ramona Spencer* shows up most beautifully.

Burpee & Company, if the crops now turn out as anticipated, expect to introduce to the trade—*King Edward Spencer*, the standard brighter than the older variety and the wings a shade lighter but the effect in fresh blooms is that of a self-colored scarlet. The enormous flowers are borne three or four to a spray. *Black-seeded Primrose Spencer*, as it is labeled here, will be introduced as *Queen Victoria Spencer* the intention being to hold as closely as possible to the older grandiflora names and use simply the word "Spencer" to designate the type as these newer varieties are put on the market. We cannot recollect having seen anything quite so handsome as the flowers produced by the sample bearing the name of *Buff Pink Spencer* and which at the request of the grower will be introduced under the name of *Mrs. Routzahn Spencer*. This variety has a distinctly buff or apricot ground suffused with light pink which, as the flowers mature becomes deeper at the edge of the standard and wings giving it somewhat of a picotee edge effect. Messrs. Burpee & Company also expect to introduce *Aurora Spencer* and *Othello Spencer* but not to the trade.

Of the newer *Grandiflora* types there is *Prince Olaf* in some respects

similar to *Unique*, the blue and white stripings a bit more prominent; *Miss Mille Maslin* is of the hooded grandiflora type and there are usually three flowers on quite a long stem. The color is difficult to describe, a deep rosy crimson self; an altogether peculiar and unique shade. *Herbert Smith*, a new orange-colored variety is not needed as *St. George* is vastly superior. *Sutton's Queen* is primrose edged with delicate pink, but like many other *Spencers* is of a "sportive" character. Phenomenal while not strictly new, is but little known, bears pure white flowers faintly suffused with pink and beautifully edged with purple, similar in effect to *Lottie Eckford* and *Maid of Honor* but larger and of more open form.

In the *Unwin* class there is *Gladys Unwin*, light pink; *Phyllis Unwin*, rose; *Mrs. Alfred Watkins*, deep pink; *Nora Unwin*, white; *E. J. Castle*, carmine rose; *Frank Dolby*, light lavender; all very handsome but the flowers are smaller than those of the *Spencer* type. *Etta Dyke* upon trial here seems to be quite similar to *Burpee's White Spencer* but shows quite a distinct green tinge in the bud. Purity is also similar but here is not so good.

After carefully going over these trials we are inclined to the opinion that although both the *Spencer* and *Unwin* types are not yet thoroughly fixed the percentages of the true type are such as to warrant planters generally becoming interested and to have a little patience with the growers as sooner or later the types will be fixed as firmly as are the older grandiflora

varieties. At the end of the trials we find the samples of the so-called *Double* varieties, which Burpee & Company do not offer at retail but simply carry to accommodate wholesale customers, and the *Bush* and *Cupid* varieties which, while having a place of their own, the writer thinks will never become so popular as have the *Grandiflora* and as will the *Spencer* and *Unwin* types.

In the foregoing notes I am largely indebted to *Howard M. Earl* the manager, not only for courtesies extended but for the ideas and judgments on varieties which he is always ready to give frankly and freely and no man has a wider experience in this particular line.

GEORGE C. WATSON.

### NOVELTIES IN PROSPECT.

The committee of the Massachusetts Horticultural Society and several other invited guests visited the nurseries of R. & J. Farquhar & Co., at Roslindale, Mass., on July 31. The principal object was to inspect the fields of new lilies now beginning to bloom from bulbs sent by *Collector Wilson* from northern China. Types of *Myriophyllum*, *Brownii* and *Henryii* are now in flower and a number of distinct species are in bud. The committee will make a later visit. The frames filled with young plants from seed sent over by Mr. Wilson were examined with great interest by the visitors. A general inspection of this well-appointed nursery followed and the visitors were entertained at lunch by Messrs. Farquhar.

# SPEAKING

THE great Darwin said that "an examination of these beautiful imagination." We might add with equal truth that the present distinction and nobility and no amount of other material can do it.

## ?? ARE YOU

In every town of any importance from the Atlantic to the Pacific competitors for that place in the estimation of the flower buyers. uses the greatest number of Orchids wins the race every time. Y

# ORCHIDS FROM

HAVE been talking Orchids to the Florist for many years. part of the choice orchid supply for the whole country passes through I only needed to tell them about it.

## !! NOW SEIZE YOUR

Here are some of the good things that are about to come Phalaenopsis amabilis, Dendrobium formosum, Oncidium varicosum as the season progresses, by others equally beautiful and useful. W this is also Headquarters for the highest grade Lily of the Valley

Telephone  
759 Madison Square

**JAMES M**  
**NEW YORK**

# OF ORCHIDS

flowers would exalt the whole vegetable kingdom in most persons' eyes. A bouquet of Orchids in a floral composition exalts the whole work, gives it a finish without.

## AMBITIOUS ? ?

There is one BEST florist. In every large town there are several florists. In any way of educational advertising let me tell you that the man who CAN'T beat him.

# M McMANUS

While I've been talking I have also been selling and now the greater part of my business is through my hands. That proves the wisdom of the florist trade.

## R OPPORTUNITY !!

: Cattleya gigas, C. Gaskelliana, C. Harrisoniae, Laelia elegans, Vanda coerulea, V. tricolor, V. suavis, and these will be followed by others. I'll tell you about regular shipments. And don't forget that Gardenias, Lilies, Daisies and Asparagus.

# McMANUS

K CITY.

42 W. 28th Street





**HENDERSON'S**  
**SUPERIOR BULBS**  
PRODUCE  
**Superior Flowers**

# HENDERSON'S Superior Bulbs FOR AUTUMN PLANTING

**WE** are the Largest Importers, Dealers and Growers of Bulbs in America, and handling the unusually large quantities that we do, and being experienced Forcers and Growers ourselves, we are in consequence enabled to select superior stock at advantageous prices, allowing us to offer Superior Bulbs at reasonable rates.

Wholesale Catalogue on  
Application from Florists

**Peter Henderson & Co.**  
35 and 37 Cortlandt St., New York

## ROSE HYBRIDIZATION.

By Alex. Dickson.

(Continued from page 100.)

After many years of continuous experiment on various lines, we have at last been able to produce what has long been sought for, namely, a yellow Tea of good size and color with a vigor and hardiness of the Hybrid Perpetual. I refer to the rose Harry Kirk, which is now being grown by most of you, and you will shortly be able to judge whether it fulfills the promises we have made on its behalf. I think you will not be disappointed.

It is interesting to note, in relation to the La France cross, that the same inclination to sterility is apparent in the rose Augustine Guinnoisseau sport from La France. Out of hundreds of experiments we have not succeeded in getting a single seed pod from this variety.

The only other point of practical importance, which occurs to me, is the fact that in our early experiments, when we had in view the object of producing varieties which would give a greater continuity of bloom, we used in our efforts Rosa Indica, and, after a considerable amount of labor, we succeeded in impressing this much valued quality on some of its offspring which are now in commerce.

In a general way we found it very difficult, and indeed impossible to place the smallest dependence upon the presumption that Hybrid Perpetuals would impart to their offspring anything of their own color, and, in a general way

we may say that after much experience the chief varieties which we use and use with the best results for the purpose of getting blends are the Hybrid Perpetuals—Horace Vernet, Charles Lefebvre, General Jacqueminot, and also Austrian Briars, Persian Yellow and Harrisonii.

From what I have said, you will readily appreciate the fact that it would be wholly impossible, and indeed I think a waste of your time and mine, to give in detail the results of thirty years' hybridising, and I have done my best to make clear the general lines upon which our work has been conducted, from which it will be readily inferred that the element of chance must always play a prominent part, and I might aptly use the well known quotation from Pope:

"All nature is but art, unknown to thee  
All chance, direction which thou canst  
not see."

And I ask such of you as may desire to enter for yourselves upon this

interesting field of experiment, to go forward with confidence—

"Knowing that nature never did betray,  
The heart that loved her."

## ASPARAGUS PLUMOSUS NANUS

Extra Strong Seedlings, ready  
for 2 1-2 in. pots. Per 100,  
\$1.50; per 1000, \$12.00.

O. V. ZANGEN, HOBOKEN, N. J.

... Ask for my new wholesale list ...

## POINSETTIAS

From 2 1/4 in. pots, \$5.00 per 100; \$40.00  
per 1000; 4 in. pots, \$8.00 per 100; 5 in.  
pots, \$12.00 per 100.

LOUIS SCHMUTZ, 131 Clarkson Street, Brooklyn, N.Y.

**CUT ASTERS** 50c to \$1.50  
per hundred  
**CUT GLADIOLI** \$3.00 per  
hundred

**ALTIMO CULTURE CO.**

Canfield, Ohio.

## Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

# "NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

## NEWS NOTES.

Victor Felter has recently started in the nursery business at Cherokee, Iowa.

The Templin Co. of Calla, O., recently forced into bankruptcy, will go out of business, it is said.

M. J. Crow, has severed his connection with Stark Bros. Nurseries, Louisiana, Mo., and will start in the nursery business in California.

The orchards in Illinois are showing poor results and it is stated that not more than three per cent. of a crop of apples will be harvested.

The committee in charge of the Horticultural Congress to assemble in Council Bluffs, Ia., in December, have recommended the purchase of land and the erection of a suitable building in which to care for the exhibits.

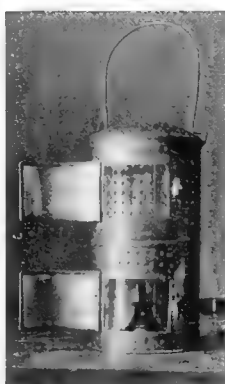
Frank Huntsman and W. K. Partridge, who have been identified with the florist business in Cincinnati for so long, have both disposed of the retail end, and will now grow for wholesale trade only. Mr. Huntsman's place is located at Ft. Thomas, Ky. Mr. Partridge's at Lockland, O.

In the bids opened on July 31 for the construction of the city greenhouse at Sandusky, O., the Lord & Burnham Co., New York, made the lowest offer in accordance with the conditions. W. H. Lutton of Jersey City made a lower price but failed to itemize the bid as the law requires.

One of the most interesting exhibits at the S. A. F. convention for any one who conducts a greenhouse is promised by Lord & Burnham Co. While unpretentious as regards space occupied this exhibit will embrace every variety of fittings, hangers, clamps, joints, valves, headers, gutters, pipes, ventilator appliances and such material useful or indispensable in the erection, repair and maintenance of a greenhouse. The exhibit will be practically an object lesson from their recent publication, The Handy Hand Book

Julius Roehrs Co. are fitting up their plant houses with cement benches of home construction. A long line of moulds has been laid in the large shed and two crops of bench bottoms are turned out every week. Discarded screens from factories or mines are used for "reinforcing" and they serve the purpose well. Cement posts moulded around small iron pipe form the bench supports. Among the finest things to

be seen here this season is a large house completely filled with that most beautiful and serviceable of all commercial palms, Phoenix Roebeleni, in graded sizes from small to very large specimens. This palm which is unexcelled as a good keeping house plant has but one drawback, the necessity for plenty of root space which makes the pot or tub disproportionately large for the size of the plant. A house of superb new crotons is evidently in training for the National Flower Show where they are sure to make a sensation. For any one wanting a striking centre feature for a high roofed conservatory a rare opportunity is offered in a well furnished Kentia Forsteriana, 23 feet in height.



**This  
Kills  
Mildew  
Every  
Time**

For particulars write

**BENJAMIN DORRANCE  
ROSE GROWERS  
DORRANCE TON, - - PENNA.**

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. \$2.00; 25 lbs. \$4.25; 5 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.  
50 Barclay St., New York**



## Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

## DON'T EXPERIMENT

USE

# To-BAK-INE

and your stock will be  
free from insects, clean,  
and the blooms will not  
be discolored.

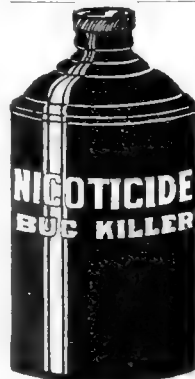
Send for full  
information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



**The Best  
Bug Killer and  
Bloom Saver**

For PROOF

Write to

**P. R. Palethorpe Co.  
OWENSBORO, KY.**

## DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

# "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

**GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE**

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

**B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK**

## THE POWER OF THE PRINTED WORD

Whenever I see a check with an air of distinction in the tone of the paper my confidence in the bank which stands back of such a good bit of work is augmented.

The way printed matter appeals mutely to our confidence almost tempts me to think that perhaps the real character of an enterprise reveals itself a little through its very type and paper, the symbols of its power, just as genuine money is expressive of a nation's impregnable financial force, while counterfeits excite suspicion even among the inexpert.

LINDSAY SWIFT.

The quality of the paper will be largely responsible for the impression your catalog creates. If the paper is not the best your catalog can't be best.

*Our Specialty is Best Catalog Paper.*

Consultation and Samples Free.

GEO. W. WHEELWRIGHT PAPER CO. 95 MILK STREET, BOSTON.

*Manufacturers of "B. P. F." and "B. S. C." Best Catalog Papers.*

## LILIES

Seeds for Fall Sowing

Greenhouse Requisites and Sundries

W. E. MARSHALL & CO.

144 W. 23rd Street, New York

### Special Low Prices

On large Specimen Kentias, Palms in Variety, Araucarias, etc., for Decorating Purposes.

JUST RECEIVED

A large shipment of all kinds of plants, including Kentias, Palms, Araucarias, etc., for decorating purposes. Also a large stock of plants for greenhouse and conservatory.

A. LEUTHY & CO.,

Park St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

GODFREY ASCHMANN  
1012 West Ontario St., Phila., Pa.

## TO OUR FRIENDS

If you attend the S. A. F. Convention at Niagara Falls we would be pleased to have you inspect our exhibit of

## Gladiolus Blooms

We think we have a collection of named varieties that will astonish you.

Yours very truly,

JOHN LEWIS CHILDS

Floral Park, N. Y.

## NEPHROLEPIS SCOTTII

In the following sizes, extra good value

25c., 50c., 75c., and \$1.

Grand Specimen Plants at \$3, \$4, \$5, \$6.

JOHN SCOTT

Rutland Road and E. 45th St.

Tel. 2542 Bedford BROOKLYN, N. Y.

NEP. WHITMANI

2 1/4 in., \$5.00 per 100

NEP. WHITMANI

3 1/2 in., \$25.00 per 100

BOSTON FERNS

2 1/4 in., \$3.00 per 100

H. H. BARROWS & SON Whitman, Mass.

## Over Fifty Acres in Choice Evergreens

The Framingham Nurseries offer a large and select stock of the following varieties of

## EVERGREENS

Atlas, Parkman, Bonaparte, and Fraseri Junipers; Blue Spruce, Norway Spruce, Scotch Spruce, White Spruce, and others. Also a large stock of evergreens for Christmas trees, including the popular varieties of the Scotch Spruce, Norway Spruce, and others.

We have a large stock of evergreens for Christmas trees, including the popular varieties of the Scotch Spruce, Norway Spruce, and others. We have a large stock of evergreens for Christmas trees, including the popular varieties of the Scotch Spruce, Norway Spruce, and others.

ADDRESS

W. B. WHITTIER & CO.  
South Framingham, Mass.

## A NEW PEONY CATALOGUE

Cultural Directions

IRIS and PHLOX

T. C. THURLOW & CO.  
Wes Newbury, Mass.

# Peonies Phloxes Irises

## For September Planting

Our collections have been selected with the greatest care and include the choicest and most distinct varieties.

**Peonies, 50 Varieties**

**Phloxes, 12 Varieties**

**Irises, 25 Varieties**

Orders booked now—list of varieties and prices on request.

## ELLWANGER & BARRY

Nurserymen, — Horticulturists

**MOUNT HOPE NURSERIES**

**ROCHESTER, N. Y.**

## GRAFTED ROSES

**Special Bargain Sale**

Extra fine Stock from 3 inch pots.

**KILLARNEY, CARNOT, KAISERIN,  
UNCLE JOHN, RICHMOND,**

\$2.50 per dozen \$15.00 per 100

**BRIDE, BRIDESMAID, GOLDEN  
GATE, LA FRANCE,**

\$2.00 per dozen \$12.00 per 100

**OWN ROOT**

**KILLARNEY, KAISERIN, RICHMOND**  
from 3 inch pots, \$7.00 per 100.

**BRIDE, BRIDESMAID, GOLDEN  
GATE**

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

**WOOD BROTHERS, Fishkill, N.Y.**

## JOHN WATERER & SON, Ltd.

### American Nursery Bagshot, England

Are Specialists in the

**REALLY HARDY VARIETIES**  
of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

## EVERGREENS

We offer a stock of over 35,000 assorted Evergreens from 2 to 8 feet in height, consisting of Norway Spruce, Coerulea Spruce, White Spruce, Colorado Spruce, both blue and green, Scotch Pine, Austrian Pine, White Pine, Mugho Pine, Cephalonica Fir, Nordmans Fir, Douglass Fir, Balsam Fir, American Arbor Vitae, etc. All have been several times transplanted and most of them will lift with a ball of earth at the roots. We also have a choice lot of imported Evergreen Specimens and 10,000 well rooted Dwarf Box for border and edging purposes, and make very reasonable prices for this season's planting. Price list on application.

**SOUTHWORTH BROS., Beverly, Mass.**

**EVERGREENS** for early Fall planting. **HARDY RHODODENDRONS** per thousand. All other fine **SHRUBS, TREES, VINES, PERENNIAL PLANTS** and **FRUITS** Complete assortments. Careful grading. Low prices.

## AMERICAN NURSERY COMPANY,

Sales Department, - - - 150 BROADWAY, NEW YORK CITY.  
**BLOODGOOD NURSERIES DEPT.,** Flushing, Long Island.  
**F. & F. NURSERIES DEPT.,** - - - Springfield, New Jersey.

## HARDY NEW ENGLAND GROWN NURSERY STOCK

**Specimen Evergreens for August Planting**

Large collection of choice varieties several times transplanted. *Herbaceous Perennials*, Strong field-grown plants in great variety for *September planting*. Catalogues containing everything for the Home Grounds Free.

**THE BAY STATE NURSERIES, North Abington, Mass.**

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

## LARGE EVERGREENS

A fine lot of Colorado Blue Spruce, Hemlock Norway and Oriental Spruce, Nordmans Fir and other choice Conifers, 4 to 16 feet high, recently transplanted. Ask for list.

**SAMUEL C. MOON**

Morrisville Nursery

**MORRISVILLE, PA.**

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

**The E. G. HILL CO., Richmond, Ind**

## The Roses that Win

**MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.**  
Send for Prices.

**POEHLMANN BROS. CO.**  
Morton Grove, Ill.

**Hardy Rhododendrons, Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK,** 216 Jane St. Westchester Heights  
P. O. No. 1, Hoboken, N. J.

## HYDRANGEA

(Arborescens)

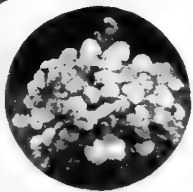
**GRAND ALBA**

A taking novelty for

**FORCING**

Strong field grown 15 inch and up \$15 per 100, \$140 per 1000. 12 to 15 inch \$10 per 100, \$90 per 1000.

**The Elm City Nurs. Co.**  
NEW HAVEN, CONN.



New Foreign and Garden Hydrangeas.

## ROSES

A SPECIALTY

**The Dingee & Conard Co.** West Grove PA.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

**HORTICULTURAL PRODUCTS**

of every description.

Consignments Received. Surplus Stock Converted.  
**62 Vesey St., NEW YORK**

## Seed Trade

The pendulum has again swung back, as affecting sweet corn and vine seeds in the West. Copious and badly needed rains have relieved the situation to a considerable extent. From what information has come to hand, it seems that corn generally has been greatly benefited by the rain to a far greater extent than vine seeds. The latter have apparently suffered irreparable damage, and while the rain arrested deterioration to a great extent, it cannot restore these crops to their former status—before the hot dry spell struck them. It will be some weeks before anything like definite information can be given about either vine seeds or corn.

Late peas were very injuriously affected by the hot spell, and as a result growers are reducing their estimate of a few weeks ago from 10 to 20 per cent. The year of grace 1908 will not go down in history as a year of bumper crops, with very few exceptions.

According to your Uncle Sam's figures the leading staples are going to be below average,—corn, wheat, oats, rye, barley, buckwheat and Irish potatoes. The latter are generally below average in size, but are very hard and firm and should prove good keepers. This applies only to early varieties, the later sorts not having yet matured. There is little likelihood of any marked improvement being made in the matter of yield by late potatoes, while a wet, cold autumn may cause an attack of rot which may prove most disastrous.

Much has been said about the importance of rogueing peas and beans, but few not actively engaged in the business of growing these crops appreciate the care, labor and expense required to remove foreign varieties or degenerate types. In conversation with a representative of the Jerome B. Rice Seed Co., some surprising facts were revealed. During the height of the rogueing season just passed, this firm employed between 400 and 500 men, which with their transportation, cost about \$800 a day. It is generally conceded that they are the largest producers of peas and beans in the world, they having planted particularly the present season upwards of 60,000 bushels of peas alone! What are known as canners' peas, meaning those varieties mainly planted by canners: this fact certainly being a marked tribute to the high quality of their products. What has been said of this firm regarding the labor and expense involved in keeping the different varieties of seed peas and beans true to type, may be said of all other producers of high grade stocks in proportion to the qualities grown.

# GIGANTIC PANSIES

Can only be produced from the Giant Strains. Our **CHALLENGE PANSY** seed contains only the **Giant** self colors, the **Giant Striped** and **Variegated** and the **Giant Blotched**, all carefully mixed in proportion. You could not buy better seed if you paid **\$100 per Ounce**.

## PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{8}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

*We also offer pansy seed in separate colors.*

*Write for special price and catalogue.*

## ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

Hershberger Bros., of Hubbard, Ore., are erecting a building for cleaning and storing clover seed, the cultivation of clover seed having become a great industry in this section.

The packing house of the California Seed Growers' Company, at Westminster, was destroyed by fire on July 27. Loss, \$10,000; insurance, about \$2,500.

C. P. Braslan and wife, of San Jose, Calif., reached New York on July 28 from Paris.

At a meeting of the Seed and Agricultural Trade of Boston held Aug. 10 to take action on the sudden death of the Hon. W. W. Rawson, the following resolutions were adopted:

Whereas, It hath pleased God to remove from among us our fellow associate, the Hon. W. W. Rawson, while still in the midst of his usefulness; therefore,

Resolved, That we members of the Seed and Agricultural Trade of Boston deplore his unexpected and sudden death, and

Resolved, That we deeply feel the loss of his genial face, cheering disposition and wise councils whenever occasion brought us together, and that we tender our sincere sympathy to his bereaved family.

On behalf of the Seed and Agricultural Trade of Boston.

THOMAS J. GREY, Chairman,  
J. K. M. L. FARQUHAR,  
M. H. ROWELL,

Committee.

It seems a great misfortune that a few reckless dealers should impair the confidence of the seedsmen and canning trade by handling degenerate stocks, buying the by-products of the canners and the riff-raff of farmers. Just so long as people will buy such junk because it is cheap, it will be for sale.

## Florists Mignonette

### FOTTLER'S ECLIPSE.

Greenhouse Grown Seed in trade packets of about 2000 seeds, \$1.00.

Finest Strain Ever Offered — Immense spikes, highly colored and fragrant.

**PANSY.** Special strain for florists. Trade pkt. 50 cents. Per oz. \$5.00.

Choice Strains of Florists' Seeds and Bulbs

OUR SPECIALTY.

Trade Catalogue on Application.

**SCHLEGEL & FOTTLER CO., Seedsmen,**  
BOSTON, MASS.

Mention HORTICULTURE when you write.

### TO CATALOG MAKERS.

We are able to quote a low price on the majority of the electros of the illustrations in HORTICULTURE.

## Winter-flowering SWEET PEA SEED

All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

## ANGLO-AMERICAN MUSHROOM SPAWN.

"Made Direct from Spores"

Sample Brick Mailed Free or we will advise you name of dealer near you handling our spawn. It will please you if you want the best. Write to-day.

**ANGLO-AMERICAN SPAWN COMPANY**  
Kennett Square, Pa.







## BURNING QUESTION

Each year is, who shall we place our order with. Those who placed their order with us last year are doing so again. Is this not satisfactory?

		100	1000
Lilium Harrisii,	5 to 7 St. Davids grown	\$4.75	\$45.00
" Longiflorum,	6 to 8 Jap	3.25	28.00
" " "	7 to 9 "	5.25	48.00
" Multiflorum,	6 to 8 "	3.50	30.00
" " "	7 to 9 "	5.50	50.00
" Giganteum,	7 to 9 "	7.00	65.00
White Romans,	12 to 15 Ctm	2.50	22.00
" " "	13 to 15 "	3.00	27.00
Lilium Candidum, large selected		4.50	40.00
Freesias, selected French-grown		.75	6.50
" Mammoth		1.00	9.00

**Wm. Elliott & Sons, 42 Vesey Street, N. Y.**

# Thorburn's Seeds

**NOW READY**

Seeds of our Magnificent Strain

**Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.**

**Cineraria, Pansy, etc.**

**Roman Hyacinths,**

**Bermuda Easter Lilies**

**Narcissus Paper White Grandiflorus**

**Freesias, Callas, Lilium Formosum, etc.**

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**Harrisii and Longiflorum, Freesias**

French and California Grown.

**ALSO PURITY FREESIAS AND OXALIS.**

Now in and Ready for Delivery.

**H. E. FISKE SEED CO.**

12 Faneuil Hall Sq., BOSTON, MASS.

# CAULIFLOWERS CABBAGE

**HJALMAR HARTMANN & CO.,**

12 Stormgade,  
COPENHAGEN, DENMARK.

**JUST ARRIVED**

LARGE SHIPMENT OF

**High-Grade SCOTCH SOOT.**

We have the Stott Double Nozzle

**THOMAS J. GREY CO.**

32 & 33 So. Market St., BOSTON

**ONG ISLAND CABBAGE  
CAULIFLOWER**

and other CHOICE SEEDS for DEALERS TRUCKERS and PLANT GROWERS.

Get My Price List Free.

**FRANCIS BRILL, Hempstead, (L. I.) N. Y.**

## SWEET PEAS

**For THANKSGIVING and CHRISTMAS**

Boddington's strains have been used by a legion of satisfied customers for years.

**EARLIEST FLOWERING, LONGEST STEMS, TRUE TO NAME**

	Oz.	¼ lb.	½ lb.	Lb.
BODDINGTON'S SNOWBIRD, by far the best and earliest forcing white.	20c	75c	\$1.25	\$2.00
BODDINGTON'S CHRISTMAS PINK, the earliest and most profitable pink.	10c	40c	60c	1.00
BODDINGTON'S CHRISTMAS WHITE, a companion to Christmas Pink, just as free.	10c	40c	60c	1.00
BODDINGTON'S CANARY, similar to Snowbird in habit, fine yellow	30c	\$1.00	1.50	
FLAMINGO, (New) magnificent scarlet, very early, crop short, offered in packets only, Pkt. 35c; 5 pkts. \$1.50				
FLORENCE DENZER, pure white, similar to Christmas White.	10c	40c	60c	1.00
WATCHUNG, pure white, height 6 ft.	20c	75c	1.25	2.00
MRS. ALEXANDER WALLACE, Lavender, the best variety in this color.	50c	1.50	2.75	5.00
MRS. WM. SIM, Salmon Pink, a most profitable variety.	50c	1.50	2.75	5.00
MRS. E. WILD, Carmine Red.	30c	75c	1.25	2.00

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, - NEW YORK CITY

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

**BRASLAN SEED GROWERS CO.**

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - - CALIFORNIA**

**BRECK'S SEEDS**

For Farmer, Market Gardener and Florist

New Crop High Grade

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**


47-54 NO. MARKET ST., BOSTON, MASS.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

**In writing to Advertisers kindly mention Horticulture**



## COLD STORAGE

### LILIUM SPECIOSUMS and LONGIFLORUMS, &c.

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

LILIUM SPECIOSUM ALBUM			
8—9 inch, 160 bulbs in a case.....	\$12.80 per case;	\$9.00 per 100;	\$80.00 per 1000
9—11 inch, 100 bulbs in a case.....	14.00 per case;	14.50 per 100;	140.00 per 1000
11—13 inch, 100 bulbs in a case.....	21.00 per case;	22.50 per 100;	210.00 per 1000
LILIUM AURATUM			
8—10 inch, 250 bulbs in a case.....	\$10.00 per case;	\$5.50 per 100;	\$50.00 per 1000
LILIUM LONGIFLORUM GIGANTEUM			
7—8 inch, 250 bulbs in a case.....	\$17.50 per case;	\$8.00 per 100;	\$70.00 per 1000
7—9 inch, 300 bulbs in a case.....	25.50 per case;	9.00 per 100;	85.00 per 1000
9—10 inch, 225 bulbs in a case.....	29.25 per case;	14.00 per 100;	130.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,** 342 WEST 14TH STREET, NEW YORK CITY

<h3 style="text-align: center;">LILIUM HARRISII</h3> <p style="text-align: center;">James' Finest Stock Free of Disease</p> <p>5 to 7, \$4.50 per 100, \$42.00 per 1000 7 to 9, \$10.00 " " \$90.00 " "</p> <h3 style="text-align: center;">WHITE CALLAS</h3> <table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;">Per 100</td> <td style="text-align: center;">Per 1000</td> </tr> <tr> <td>Extra size 7 to 8 inches</td> <td style="text-align: center;">\$10.00</td> <td style="text-align: center;">\$95.00</td> </tr> <tr> <td>First " 5 to 7 "</td> <td style="text-align: center;">7.50</td> <td style="text-align: center;">70.00</td> </tr> <tr> <td>Second " 3 to 5 "</td> <td style="text-align: center;">6.00</td> <td style="text-align: center;">55.00</td> </tr> </table>		Per 100	Per 1000	Extra size 7 to 8 inches	\$10.00	\$95.00	First " 5 to 7 "	7.50	70.00	Second " 3 to 5 "	6.00	55.00	<h3 style="text-align: center;">PAPER WHITE NARCISSUS</h3> <p style="text-align: center;">True Grandiflora Type</p> <p>13 ctm. and up \$8.75 per 1000, \$8.50 in 5000 lots</p> <h3 style="text-align: center;">ASPARAGUS PLUMOSUS NANUS</h3> <p style="text-align: center;">Green-house Grown \$3.00 per 1000</p> <h3 style="text-align: center;">PANSY SEED</h3> <p style="text-align: center;">Best in Existence. Send for Special List.</p>
	Per 100	Per 1000											
Extra size 7 to 8 inches	\$10.00	\$95.00											
First " 5 to 7 "	7.50	70.00											
Second " 3 to 5 "	6.00	55.00											

**STOKES SEED STORE, 219 Market St., PHILADELPHIA, PA.**

## GERANIUMS ... OUR ... SPECIALTY

Our collection is the finest and most extensive in the country embracing the cream of the Standard sorts and new varieties from the foremost introducers in the world. We have a fine stock ready for immediate shipment from 2 in. pots, Standard sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50. A splendid collection to stock up on. 500 for \$9.50. We have the following in extra fine shape in 2 inch pots ready for 3 inch, just the stock to grow on for Christmas.

S. A. NUTT.....\$2.00 per 100	MRS. LAWRENCE.....\$3.00 per 100
ALPH. RICARD.....2.00 "	LA PILOTE.....2.00 "
E. H. TREGO.....3.00 "	BERTHE DE PRESILLY.....3.00 "
PETER HENDERSON.....3.00 "	PAUL CRANPEL.....6.00 "

Smilax strong plants from 2 in. pots, \$2.00 per 100, \$17.50 per 1000. Hardy Chrysanthemums good assortment, \$2.00 per 100, \$17.50 per 1000.

**R. VINCENT, JR. & SONS COMPANY, WHITE MARSH, MD.**

## NEW RED CARNATION O. P. BASSETT

Extra Large Bright Red Free Bloomer

We have 40,000 Bassett now planted. The trade is cordially invited to come and see it grow. We shall be pleased to send it for exhibition at flower shows and club meetings. To be disseminated Jan. 1, '09, by the Originators and Growers

### Bassett & Washburn, Hinsdale, Ill.

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
**HORTICULTURE.**

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR BUSH PLANTS IN POTS

Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early, Mid-season and Late, 2½ in. 50c per doz., \$3 per 100. 4½ in. in pots, \$1 per doz., \$8 per 100.

### PRIMULA OBCONICA and P. CHINENSIS

Best Varieties

Ready Now, 2½ in. pots, \$3.00 per 100, \$25.00 per 1000.

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

### FRANK OECHSLIN

2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

## Begonia Gloire de Lorraine

Strong bushy plants, \*grown from single leaf, \$15.00 per 100, \$140.00 per 1000.

## Begonia Agatha

(Veitch) improvement on Begonia Gloire de Lorraine, an easier grower, earlier flowering, of a most pleasing shade of soft satiny pink; \$18.00 per 100.

Can furnish thrifty young plants of either variety, grown from cuttings, at \$8.00 per 100. Strong 4 inch plants, \$35.00 per 100. Now ready for shipment.

Cash with order from unknown correspondents

### J. A. PETERSON

Wholesale PLANT GROWER

McHENRY AVE., WESTWOOD, CINCINNATI, O.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

### Thomas Roland,

Nahant, Mass.

## ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

ROMAN HYACINTHS and the true PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillegom

K. VELTHUYS, Hillegom, Holland  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

## JAPANESE

THE YOKOHAMA NURSERY CO. NEW YORK.

LILIES PLANTS BAMBOO STAKES

# ANNOUNCEMENT.

*To our friends and patrons, and to the trade in general,—*

WE, the undersigned, do hereby beg to announce that we have consolidated our interests, and that, commencing on the 15th day of August, 1908, we will open our place at 144 North 7th, Phila., Pa., for the purpose of conducting a wholesale seed, plant, and bulb business.

It would be needless to supplement this brief announcement with numerous promises of what we intend doing, in order to insure our own success;—a consummation devoutly to be wished under all circumstances. Suffice it to say that we are no novices in the business, and that our twenty years' hard experience on the road has convinced us beyond the shadow of a doubt that one "cannot fool the people all the time," nor indeed even "part of the time," and come out on top,—that, in order to win the confidence of the people, (the shortest route to success), one must be sure to give a square deal in return. It is therefore our aim to give a SQUARE DEAL in return for confidence.

Thanking you all for past favors, and sincerely hoping for a continuance of same in the future,—

Respectfully yours,

**SKIDELSKY & IRWIN CO.,**

144 North Seventh Street, Philadelphia, Pa.

S. S. SKIDELSKY.

R. J. IRWIN.

## FIELD GROWN CARNATIONS

Strong healthy plants, free from disease. Special care given to the packing, using light slatted crates.

White—	Per 100	Per 1000
White Enchantress .....	\$8.00	\$70.00
White Perfection .....	7.00	60.00
Queen Louise .....	6.00	50.00
<b>Pink—</b>	<b>12.00</b>	<b>100.00</b>
Rose Pink Enchantress .....	7.00	60.00
Enchantress .....	6.00	50.00
Lawson .....	6.00	50.00
<b>Scarlet—</b>	<b>7.00</b>	<b>60.00</b>
Scarlet—Beacon .....	7.00	60.00
Victory .....	7.00	60.00

**ROSES** Own Roots. Propagated from grafted stock. Strong plants.  
 Maids / 3 inch pots ..... 4.00 35.00  
 Brides / 3 inch pots ..... 4.00 35.00  
 Mme. de Watteville 4 inch pots .. 5.00

S. J. REUTER & SON, Inc., Westerly, R. I.

## CARNATIONS

FIELD GROWN, NOW READY

Fair Maid and The Queen the two best Bread and Butter Carnations on the market. Our Plants are equal to the best in New England. Extra strong, stocky, healthy plants. Order now, and we will ship when you want them.

FAIR MAID, \$40 per 1000  
 THE QUEEN, 40 per 1000

AUGUST CAEDEKE & CO.  
 25 Concord Street, NASHUA, N. H.

## CARNATIONS

**F. DORNER & SONS CO.**  
 La Fayette, Ind.

**100,000 Field-Grown CARNATION PLANTS**

Ready Aug. 15th  
**CHICAGO CARNATION CO., JOLIET, ILL.**  
 A. T. PYFER, Mgr.

**JOHN E. HAINES**  
 Bethlehem, Pa.

Imperial variegated / Per 100 Per 1000  
 Pink Imperial, Pink / \$6.00 \$50.00

Place your orders early for Jan. delivery.  
 Cash with order please.

## FIELD CARNATIONS

High Land Grown

Splendid Plants

	Per 100	Per 1000		Per 100	Per 1000
Rose Pink Enchantress	\$6.00	\$50.00	White Lawson	5.00	45.00
Enchantress	6.00	50.00	Pink Lawson	5.00	45.00
Lady Bountiful	6.00	50.00	Red Lawson	6.00	50.00
Harlowarden	5.00	45.00	Robert Craig	6.00	50.00

Stock Now Ready for Shipment

**UNITED STATES CUT FLOWER CO., Elmira, N. Y.**

## BAY STATE

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## CARNATION PLANTS

5000 Enchantress, 1000 Rose Enchantress, 1000 Bountiful, 5000 good Scarlet Seedlings. All at \$7.50 per 100. \$50.00 per 1000. 1000 Boston Market, 400 Enchantress No. 2, 2000 Penn, 400 Queen, 2000 White Lawson, \$4.00 per 100, \$35.00 per 1000. Also 400 Grafted Bride Roses at \$10.00 and 300 Pres Carnet at \$4.00.

**WORCESTER CONSERVATORIES**

L. C. MIDDLEY, PROP. Worcester, Mass.

## FIELD GROWN CARNATIONS

**Immediate Delivery**

For prices and varieties address

**CHARLES H. TOTTY, MADISON, N. J.**

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**

Successors to L. K. Peacock, Inc.  
**ATCO, N. J.**

## CARNATIONS

FIELD GROWN PLANTS

Enchantress, Bountiful,  
 White Lawson, Mrs.  
 Patten

Price \$6 per 100. Cash with Order

**G. E. BUXTON**

NASHUA - NEW HAMPSHIRE

**A. N. PIERSON, Inc.**  
**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Hyacinths. We also grow a general assortment of flowers in their season.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### NEW RETAIL FLOWER STORES.

Lorentz Sons, 4th St., and Bergen-  
line Av., Weehawken, N. J.  
A. Urbach, Toronto, Ont.

#### INCORPORATED.

J. W. Minott Co., So. Portland, Me.,  
Eliza D. Minott, Frank L. Minott;  
capital, \$50,000.

#### BUSINESS CHANGES.

Schnell & Pappe succeed Mr. Dar-  
ley at 705 W. Madison street, Chicago.  
The new firm are not new to the busi-  
ness, Mr. C. A. Schnell having been  
for nine years with a leading New  
York house and for the past year with  
Mangel in Chicago.

#### PERSONAL.

Mr. and Mrs. Alex. Siegel of St.  
Louis, Mo., are spending a month at  
Macinac Island.

### STEAMER DEPARTURES

#### Allan.

Corsican, Montreal Liverp'l. Aug. 21  
Virginian, Montreal Liverp'l. Aug. 28

#### American.

St. Louis, N. Y. S'hampton. Aug. 22  
Philadelphia, N. Y. S'hampton. Aug. 29

#### Atlantic Transport.

Minnehaha, N. Y. London. Aug. 22  
Minneapolis, N. Y. London. Aug. 29

#### Cunard.

Lucania, N. Y. Liverpool. Aug. 19  
Saxonia, Boston-Liverpool. Aug. 25  
Lusitania, N. Y. Liverpool. Aug. 26

#### French Line.

La Lorraine, N. Y. Havre. Aug. 20  
La Touraine, N. Y. Havre. Aug. 27

#### Hamburg-American.

Deutschland, N. Y. Hamburg. Aug. 27  
Leyland.

Bohemian, Boston-Liverpool. Aug. 26  
Winifredian, Boston-Liverp'l. Sept. 2

#### North German Lloyd.

Kaiser Wm. II., N. Y. Bremen. Aug. 18  
K. Wm. der Grosse, N. Y. Bremen. Aug. 25  
Kronpr. Cecilie, N. Y. Bremen. Sept. 1  
Kronp. Wm., N. Y. Bremen. Sept. 8

#### White Star.

Arabia, N. Y. Liverpool. Aug. 20  
Oceanic, N. Y. S'hampton. Aug. 26  
Celtic, N. Y. Liverpool. Aug. 27  
Republic, Boston-Liverpool. Aug. 29

Mr. and Mrs. H. G. Berning of St.  
Louis, will spend a few days in Michi-  
gan, then take the trip around the  
lakes, reaching Niagara in time for  
the convention.

C. J. Ohmer of Cincinnati, has taken  
a position with the Atlanta Floral  
Co., Atlanta, Ga.

Fred W. Geest of Cincinnati, has  
secured a position with Mrs. Williams  
in Pittsburg, Pa.

Samuel Kevans will enter upon his  
duties as florist of the National Sol-  
diers' Home at Newport, Va., on Sep-  
tember first.

F. C. Weber and party of St. Louis,  
have returned from their western trip,  
and Fred Jr., has gone on a month's  
trip to Alaska.

### Chicago.

Established in 1857



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

371 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK  
"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**  
396 Boylston St., Boston, Mass.

**JACOB SCHULZ,** 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

U Know Us

**CONVENTION**

Let's Know U

It will be E Ze to find M. RICE & CO.'S exhibit at the Convention.  
Look for the BEST of everything in Florist's Supplies. THAT'S US.  
It will pay every Florist to look at our show.

The Leading  
**FLORISTS' SUPPLY HOUSE**  
and **RIBBON SPECIALISTS**

**RIBBONS**

**M. RICE & CO.**  
Importers and Manufacturers  
1220 Race St. - Philadelphia, Pa.

**PENNOCK BROS.**

Retail Orders Filled and  
Promptly Delivered

**1514 CHESTNUT ST.****Philadelphia, Pa.**

**A**S in the past, so in the future we  
will do our share in upholding  
the fame of Philadelphia as the  
reliable center for quality and service in  
flowers. When you think of ordering  
flowers from Philadelphia, remember:

**BERGER BROS.****Wholesale Florists****1305 Filbert St., Philadelphia****During Recess****Tarrytown Horticultural Society Annual Outing.**

The annual outing of this society held at Rye Beach, N. Y., on Aug. 4th, is on record as one of the best ever held. About 115 members and friends were present, and a most jolly and agreeable time was had by every one. The games were well contested and enjoyed by the lookers-on as much as the players. The dinner was excellent and well served and all arrived home safely on the same day.

The list of games and winners was as follows:

100 yards dash—1st Sam Burns, 2d Frank Shaw. Running broad jump—1st, James Craig; 2d, Albert Hopper. Running high jump—Geo. Begg; James Craig. Potato race—Geo. Begg; Tom Atkinson. Obstacle race—Ernest Behrens; Tom Lee. Three-legged race—Tom Atkins; Sam Burns. Stone throwing—Sam Burns; Arthur Lynch. Hammer throwing—George McIntosh; Sam Burns. Bowling match between married and single men, best two games out of three, was won by the married men by two pins.

L. A. MARTIN, Cor. Sec.

The following named gentlemen have been selected to represent the New York Florists' Club at the bowling tournament in connection with the Niagara Falls convention: Messrs. Marshall, Fenrich, Schreiner, Donaldson and J. Manda.

The Utica (N. Y.) Florists' Club held their clam bake at Ripley's Grove on Aug. 4, with an attendance of 125. A ball game and athletic sports enlivened the time and the affair was voted a grand success.

**COMING EVENTS.**

Mechanicsburg, Pa., Grangers' Exhibition, Aug. 24-29.

Spokane, Wash., National Apple Show, December 7-12.

Minneapolis, Minn., Inter-Lachen Flower Society, Aug. 25.

Niagara Falls, N. Y., Society of American Florists, Aug. 18-22.

Augusta, Ga., Southern Nurserymen's Association, Aug. 19, 20.

Sheboygan Falls, Wis., State Horticultural Society, Aug. 26 and 27.

Southampton, N. Y., Horticultural Society Flower Show, August 19, 20.

Lenox, Mass., Horticultural Society Chrysanthemum Show, October 28, 29.

Niagara Falls, Ont., Canadian Horticultural Association, Aug. 19, 20 and 21.

Boston, Mass., Massachusetts Horticultural Society, Exhibition, August 22, 23.

Baltimore, Md., State Horticultural Society, Fifth Regt. Armory, December 1, 2, 3.

White Marsh, Md., Maryland Horticultural Society, with R. Vincent & Sons, September 22.

New York, N. Y., American Institute of New York, exhibition, Sept. 22, 23 and 24. Berkeley Lyceum Building.

Hartford, Conn., Connecticut Horticultural Society, fall show, Sept. 23; chrysanthemum show, Nov. 3, 4 and 5, Unity Hall.

**WHEN TO STOP ADVERTISING.**

When buyers forget to forget—when competition ceases to compete; when every actual and prospective customer has been convinced that your product is the best of its kind and nothing better can be produced, then, and only then, will it be safe to get along without advertising. Baker's Helper.

Until that time comes, HORTICULTURE can take care of your interests. If you want to sell to the best buyers in any branch of horticultural industry HORTICULTURE is unquestionably in the front rank as an advertising medium.

**BOSTON'S BEST****In Quality and Design**

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

**BOSTON**

and all

**NEW ENGLAND POINTS****THOS. F. CALVIN**

124 Tremont St., Boston

**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.



# NIESSEN ——— PHILADELPHIA

**YOU** will find us at the Convention.  
Our Mr. Arthur A. Niessen and Mr.  
Clarence J. Watson will be glad to greet  
you.

**LEO NIESSEN CO.,** *Wholesale Florists* **1209 Arch St., Phila.**

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to  
advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**J. B. Murdoch & Co.**

Wholesale Florists

**FLORISTS' SUPPLIES**

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill  
your orders to your satisfaction. A complete line of

Hardy Greens — WILD SMILAX, BOXWOOD,

HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

## E. A. BEAVEN

**Southern Wild Smilax,**

**Log Mosses,**

Natural and Perpetuated — at Wholesale

**EVERGREEN, ALABAMA.**

## ROBERT J. DYSART,

**Public Accountant and Auditor**

Simple methods of correct accounting  
especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 58

In ordering goods please add "I saw  
it in HORTICULTURE."

## PETER REINBERG

**Wholesale Florist**

**CHICAGO**

Write for list of

**Field Grown Carnation Plants**

**AMERICAN BEAUTY** and all other  
**ROSES**

**LILY OF THE VALLEY, CARNATIONS**

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Aug. 11	TWIN CITIES Aug. 10	PHILA. Aug. 12	BOSTON Aug. 12
<b>ROSES</b>				
Am. Beauty, Fancy and Special..	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
" Extra .....	20.00 to 25.00	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00
" No. 1 .....	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00	6.00 to 10.00
" Lower grades .....	5.00 to 10.00	6.00 to 8.00	5.00 to 8.00	1.00 to 4.00
Bride, 'Maid, Fancy & Special .....	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	3.00 to 4.00
" Lower grades .....	1.00 to 4.00	3.00 to 6.00	1.00 to 3.00	.25 to 1.00
Killarney, Richmond, Fan. & Sp. ....	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
" Lower grades .....	2.00 to 4.00	3.00 to 6.00	1.00 to 3.00	.50 to 4.00
Kaiserin, Carnot .....	4.00 to 6.00	3.00 to 7.00	1.00 to 7.00	.50 to 6.00
Golden Gate Chateaux etc. ....	4.00 to 6.00	3.00 to 7.00	1.00 to 7.00	.50 to 4.00

## CARNATIONS

Fancy and Novelties .....	1.50 to 2.00	1.00 to 1.50	..... to .....	1.00 to 2.00
Ordinary .....	.75 to 1.00	.50 to 1.00	1.00 to 2.00	.25 to 1.00

## MISCELLANEOUS

Cattleyas .....	40.00 to 50.00	45.00 to 50.00	60.00 to 75.00	40.00 to 50.00
Lilies .....	5.00 to 8.00	3.00 to 15.00	10.00 to 12.00	6.00 to 8.00
Lily of the Valley .....	3.00 to 4.00	4.00 to 5.00	2.00 to 4.00	2.00 to 3.00
Asters .....	.25 to .50	.75 to 2.00	.50 to 2.00	.50 to 1.00
Gladioli .....	2.00 to 5.00	2.00 to 6.00	2.00 to 4.00	2.00 to 3.00
Sweet Peas .....	.10 to .15	.25 to .50	.50 to .75	.10 to .25
Adiantum .....	.75 to 1.00	1.00 to 1.50	..... to 1.00	1.00 to 1.50
Smilax .....	6.00 to 10.00	1.00 to 15.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings .....	35.00 to 50.00	35.00 to 50.00	..... to 50.00	25.00 to 50.00
" " & Spreng. (100 bchs.) .....	25.00 to 35.00	35.00 to 50.00	35.00 to 50.00	15.00 to 50.00

**J. A. BUDLONG**

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of **CUT FLOWERS**

## A LIFE EXPERIENCE

in the business, central location and up-to-date equipment insures the best and promptest service possible in the handling of cut flowers at wholesale. These features are among the many strong points in the establishment of

**W. E. McKISSICK**

*Wholesale Florist*

1619-1621 Ranstead Street,

PHILADELPHIA

## FLOWER MARKET REPORTS

**BUFFALO** The first part of previous week was somewhat quiet and stock accumulated fast especially mixed colors of gladioli of ordinary quality which had little or no demand, the solid colors of red, white and pink selling rapidly. The short crop of early asters are about over and a few branching or late varieties are seen. The mid-week sale was quite satisfactory as to roses, carnations, lily of the valley, Beauties, etc., as a few good sized floral orders helped considerable. Japan and longiflorum lilies were in demand and cleaned up well. Greens and adiantums took a little life and moved better than heretofore.

**CHICAGO** But little change is noted in the Chicago market. Trade is possibly a little brisker though no rain has relieved the anxious florist. Asters are suffering severely and the average stock has very short stems. An occasional exception is seen, one dealer having asters, Chicago-grown, with stems fully thirty inches long. Gladioli also show the effects of the drought, the stalks being very small. Carnations are poor and sell slowly. Roses are advancing a trifle in price. Beauties being in demand particularly. Tritoma and golden glow are seen and sell fairly well.

**INDIANAPOLIS** The weather the past two weeks has been the hottest of the season and the result is that everything is at a complete standstill. There are very few carnations and they are poor. Only small roses are to be had. Quite a quantity of asters are in the market but no first-class stock among them. American Beauty has maintained its reputation by withstanding the heat and remaining one of the few satisfactory offerings of the flower market. Gladioli and lilies are still in good supply and are offered at fairly low prices. Some very good lily of the valley and orchids are to be had in limited quantities. Chrysanthemums are looking fine and the outlook is good for early blooms.

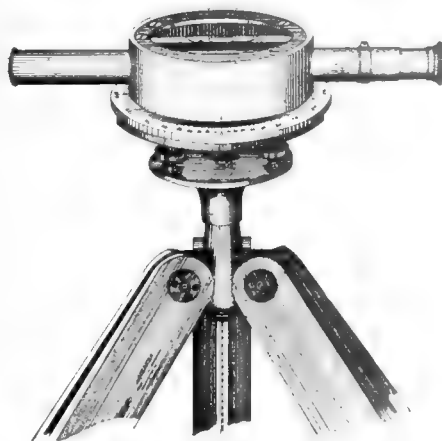
**NEW YORK** What strikes the visitor to the wholesale flower markets most forcibly at the present time is the great abundance and general accumu-

lation of asters, gladioli and lilies. By the latter is meant the hardy garden sorts such as auratum, speciosum roseum and magnificum, together with a moderate proportion of tigrinum. From one to two dollars per hundred is the prevailing price, counting all buds, but there must be considerable shrinkage in returns on account of unsold stock. Gladioli and asters are in the same box as business is unprecedentedly dull, even for the midsummer periods. The gladioli average up much better as to quality than they did a few years ago, such popular varieties as America, Shakespeare and Princeps and many of the Childs type being in evidence in place of the old Brechleyensis which until recently formed the larger part of the market shipments. While the asters are also generally better than ever before at a corresponding date the proportion of the big loose-flowered long-stemmed fancy type is not large. There are, however, enough and more than enough, to fill all demands. Roses do not cut much of a figure just now. American Beauty of best grade experience no difficulty in finding a ready appreciation but the balance of the list gets little attention, and a large part of the shipments must submit to the tender mercies of the street men and speculative element. There is an abundance of lily of the valley in vary-

ing grades. Orchids are conspicuously missing, consequently there is an incessant call for more than can possibly be supplied but the situation will improve soon as Cattleya gigas, oncidiums and other standard favorites are about due. Next week will see the wholesale district half depopulated, judging from the large number intending to participate in the trip to Niagara.

There was an **PHILADELPHIA** overdose of flowers the past week, especially in the lower grades of asters and white roses. There were a great many poor asters, this crop not having recovered from the dry summer as expected, notwithstanding the copious rains of the past three weeks. American Beauty roses are fully as good as last year and selling well. A few field-grown carnations are coming in good flowers but short-stemmed. The greenhouse product is very inferior. There is a good demand for orchids and these are on the scarce side. The lily of the valley market is in healthy condition as to quality and demand. Sweet peas are still coming in from the north and are readily taken at fair prices; also very good gladioli, the best being America which is eagerly snapped up. Tritomas and hydrangeas are conspicuous among the reasonable minor items.

## Park, Cemetery and Landscape Gardening



cannot be properly done without a dependable leveling instrument. There is nothing on the market which approaches

**BOSTROM'S IMPROVED NO. 2**  
at \$15.00 and

**BOSTROM'S IMPROVED NO. 3**  
at \$25.00

for simplicity, accuracy, compactness and durability, when price is considered. The above instruments are guaranteed, 15,000 satisfied users of these Levels backing up the guarantee. Write for description.

**BOSTROM-BRADY MFG. CO.**  
139 MADISON AVE., ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
 Wholesale Commission Florist,  
 Choice Cut Flowers,

57 West 28th St., :: NEW YORK.  
 Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
 Richmond Roses and Rich Flowers  
 of all varieties

**JOS. S. FENRICH**  
 110 W. 28th Street, New York  
 Tel. 324-325 Madison Square

**Alfred H. Langjahr**

All choice cut-flowers in season. Send  
 for quotations. Correspondence with  
 shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephones 4626-4627 Madison Square

**Edward C. Horan**  
 Wholesale Florist

55 WEST 28th ST.  
 Tel. 1462 Madison Square New York  
 1463

**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York  
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES****ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

**JAMES McMANUS,** Telephone 753 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer and Seller of

Open from 5 a. m. to 6 p. m. Sunday  
 till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**CUT FLOWERS**

Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664--1665 MADISON SQUARE

**ENOUGH SAID****NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY**

	Last Half of Week ending Aug. 8 1908	First Half of Week beginning Aug. 10 1908		Last Half of Week ending Aug. 8 1908	First Half of Week beginning Aug. 10 1908
<b>Roses</b>			<b>Carnations, Fancy and Novelties.</b>	1.00 to 1.50	1.50 to 2.00
Am. Beauty, fan and sp. ....	10.00 to 25.00	10.00 to 25.00	Ordinary .....	.50 to .75	..... to 1.00
" extra .....	6.00 to 10.00	6.00 to 10.00	<b>Cattleyas.</b> .....	20.00 to 30.00	20.00 to 30.00
" No. 1. ....	4.00 to 6.00	3.00 to 5.00	<b>Lilies.</b> .....	4.00 to 8.00	3.00 to 6.00
Lower grades .....	.50 to 2.00	.50 to 2.00	<b>Lily of the Valley.</b> .....	1.00 to 2.00	1.00 to 2.00
Bride, 'Maid, fan and sp. ....	2.00 to 4.00	3.00 to 5.00	<b>Asters.</b> .....	.25 to 2.00	.25 to 2.00
" lwr. grds. ....	.50 to 2.00	.50 to 2.00	<b>Gladioli.</b> .....	1.00 to 3.00	1.00 to 3.00
Killarney, Richmond, fancy & spec. ....	3.00 to 5.00	4.00 to 5.00	<b>Gardenias.</b> .....	10.00 to 12.00	10.00 to 12.00
" lower grades. ....	.50 to 2.00	.50 to 2.00	<b>Sweet Peas per 100 bunches.</b> .....	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot. ....	.50 to 5.00	1.00 to 6.00	<b>Adiantum.</b> .....	.50 to .75	.50 to .75
Golden Gate, Chateaufort, etc. ....	.50 to 5.00	1.00 to 5.00	<b>Smilax.</b> .....	6.00 to 10.00	10.00 to 12.00
			<b>Asparagus Plumosus, strings.</b> .....	20.00 to 25.00	20.00 to 25.00
			" & Spreu. (100 bchs.)	10.00 to 20.00	10.00 to 15.00

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,  
 Telephone No. 756  
 Madison Square. New York.

**REED & KELLER**

122 West 25th St., New York

**Florists' Supplies**

We manufacture all our  
 Metal Designs, Baskets, Wire Work & Novelties  
 and are dealers in  
 Glassware Decorative Greens and Florists' Requisites.

**TRAENDLY & SCHENCK****WHOLESALE FLORISTS**

Furnish best stock at fair prices all the year round Send for quotations on full orders

Tel. 798-799 Madison Sq.

44 West 28th Street, New York City

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860 Madison  
3861

NEW YORK

**FRANK S. HICKS & CO.**

Wholesale Florists.

Open Now for Consignments of Cut Flowers.

39 West 28th Street, - New York City

Tel. 2920 Mad. Sq.



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR

**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florist, also Dealer in Florists' Supplies and Wire Designs.

383-87 ELLICOTT ST.

BUFFALO, N. Y.

Give us a trial. We can please you.

**Flowers and Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Large Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**  
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2. Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNS, \$1.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.

## WHOLESALE FLOWER MARKETS.

PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 10	DETROIT Aug. 9	BUFFALO Aug. 10	PITTSBURG Aug. 11
<b>ROSES</b>				
Am. Beauty, Fan and Sp.....	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00
" Extra .....	15.00 to 20.00	12.00 to 15.00	15.00 to 20.00	12.50 to 15.00
" No. 1 .....	8.00 to 10.00	8.00 to 12.00	6.00 to 10.00	6.00 to 8.00
" Lower grade .....	4.00 to 6.00	2.00 to 6.00	3.00 to 6.00	2.00 to 4.00
Bride, "Maid, F. & S.....	5.00 to 6.00	6.00 to 8.00	6.00 to 7.00	4.00 to 6.00
" Low gr. ....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	0.00 to 2.00
Killarney, Richmond, Fan, & Sp...	6.00 to 8.00	6.00 to 8.00	6.00 to 7.00	4.00 to 6.00
" Lower grades .....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	0.00 to 2.00
Kaiserin, Carnot.....	5.00 to 8.00	2.00 to 8.00	2.00 to 7.00	0.00 to 8.00
Golden Gate, C. atenay, etc.....	5.00 to 8.00	2.00 to 6.00	4.00 to 5.00	0.00 to 8.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	2.00 to 3.00	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
Ordinary .....	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.00 to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas .....	40.00 to 50.00	20.00 to 35.00	40.00 to 50.00	..... to 75.00
Lilies .....	8.00 to 10.00	10.00 to 12.50	3.00 to 12.00	10.00 to 12.50
Lily of the Valley .....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Asters .....	..... to 1.00	1.00 to 3.00	1.00 to 2.00	0.25 to 1.50
Giadioli .....	..... to 4.00	4.00 to 8.00	2.00 to 3.00	1.00 to 4.00
Sweet Peas .....	.50 to .75	.50 to 1.00	.20 to .30	..... to 1.00
Adiantum .....	.50 to .75	1.00 to 2.00	.50 to 1.50	..... to 1.75
Smilax .....	..... to 1.00	15.00 to 20.00	12.00 to 15.00	10.00 to 12.50
Asparagus Plumosus, strings.....	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	15.00 to 50.00
" " & Spreng. (100 bchs.) .....	..... to 25.00	40.00 to 60.00	35.00 to 50.00	25.00 to 35.00

The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St., New York City

Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of **EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

1,000.....\$1.75; 50,000.....\$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## ADIANTUM CROWEANUM

The Storrs Harrison Co., Plainville, O.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

The Storrs Harrison Co., Plainville, O.  
For page see List of Advertisers.

We have a specially fine lot of Arauca-  
rias—the plants at \$1.00 each are extra  
value for the money.

4-inch.....50 cents each  
5 ".....75 " "  
6 ".....\$1.00 each

Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumousus Robustus Seeds.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Asparagus Plumosus Nanus Seedlings.  
For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine  
plants, \$2.50 per 100; \$20.00 per 1000. Cash  
with order or good reference. Erie Floral  
Co., Erie, Pa.; or, Wm. F. Kasting Co.,  
385 Ellicott St., Buffalo, N. Y.

## ASTER SEED

Altimo Culture Co., Canfield, O.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

For page see List of Advertisers.

S. S. Skidelsky, 1741 N. 18th St., Phila.  
Gloire De Lorraine.

Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1/4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

J. A. Peterson, McHenry Ave., Westwood,  
Cincinnati, O.

Begonias, Gloire De Lorraine, Agatha.  
For page see List of Advertisers.

## BOILERS

"Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1183 Broadway, N. Y.

Kroeschel Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1183  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Cold Storage Lily of the Valley.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.

Freelias and Lily Bulbs.

For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.  
Fall Bulbs.

For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.

Currie Bros., Milwaukee, Wis.

Freelias and Lily Bulbs.

For page see List of Advertisers.

Stokes' Seed Store, Philadelphia, Pa.  
French and Dutch Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow),  
and Philadelphicum and other native bulbs.

Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.  
Field Grown

Carnations Imperial and Pink Imperial.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

United States Cut Flower Co.,  
Elmira, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Aug. Gaedeke & Co., Nashua, N. H.  
Carnations, Fair Maid, Queen, Field Grown.

For page see List of Advertisers.

Chas. Knopf Floral Co., Richmond, Ind.  
Carnations, Lawson Enchantress, Field  
Grown.

Field grown Enchantress, \$5.00. Cash  
with order. L. E. Marquisee, Syracuse,  
N. Y.

Bargains in Carnations. Good, healthy  
plants of Harlowarden, Queen and Boston  
Market at 4c. Extra plants to help pay  
express. G. S. Ramsburg, Somersworth,  
N. H.

## CARNATIONS—Continued

Ready Now! 15,000 Fine Field Grown  
Carnations, Lawson, Fair Maid, Enchan-  
tress; \$5.00 per 100; \$40.00 per 1000. Cash  
with Order. Leonard Cousins, Jr., Concord  
Junction, Mass.

Carnation cuttings of all the leading  
varieties at the same price as any reliable  
firm. Write for prices before you look  
elsewhere. Wm. F. Kasting Co., 383  
Ellicott St., Buffalo, N. Y.

Field Grown Carnation Plants—Enchan-  
tress, Rose Pink Enchantress, Queen, Fair  
Maid, H. Fenn, White, Variegated, Red,  
Light Pink and Pink Lawson, \$5.00 per  
100. R. D. Kimball, Waban, Mass.

CARNATIONS!! FIELD GROWN!!  
Immediate delivery. Enchantress, \$45.00  
per 1000; \$5.00 per 100. Winsor, \$55.00  
per 1000; \$6.00 per 100. Large, bushy,  
healthy plants. Satisfaction guaranteed.  
Cash with order or C. O. D. Wanoka  
Greenhouses, Barneveld, N. Y.

## CATALOGUE PAPER

Geo. W. Wheelwright Paper Co.,  
95 Milk St., Boston.

For page see List of Advertisers.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

Herrington's book on the Chrysanthem-  
um, mailed to your address for 50c., by  
Horticulture Publishing Co., 11 Hamilton  
Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.

For page see List of Advertisers.

Samuel C. Moon, Morrisville, Pa.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made.  
Write for list. Holton & Hunkel Co., Mil-  
waukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-in. pots, 4c. J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Storrs & Harrison Co., Plainville, O.  
Decorative Plants, Saintpaulia, Polioetillas,  
Primulas, Etc.

For page see List of Advertisers.

# For List of Advertisers See Page 234



**DRACAENAS**

Dracaena Divisiva and Asparagus Sprengeri, very strong, 2 in., \$2.50 per 100; \$20.00 per 1000. Dean Ferris, Peekskill, N. Y.

**ECHEVERIAS**

Echeverias, \$18 per 1000, post paid. McDowell, Mexico City.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**EVERGREENS**

W. B. Whittier & Co., South Framingham, Mass.  
For page see List of Advertisers.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.  
For page see List of Advertisers.  
John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.  
Frank Oechslein, 2570-2606 W. Adams St., Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.  
F. R. Pierson Co., Tarrytown-on-Hudson, New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.  
Thos. J. Grey & Co.,  
82 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.  
Wm. Elliott & Sons, 42 Vesey St., New York.  
Thompson's Manures.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.  
H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Need & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.  
J. B. Murdoch & Co., 714 Penn Ave., Pittsburgh, Pa.  
For page see List of Advertisers.  
H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657 59 Buckingham Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**  
Continued

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.  
Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.  
H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2159-2141 Broadway, New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.  
For page see List of Advertisers.  
Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.  
A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.  
Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.  
Red pots, seed pans, etc.  
The Peters & Reed Pottery Co., Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh, Md.  
New and Standard Varieties  
For page see List of Advertisers

**GLADIOLUS BLOOMS**

John Lewis Childs, Floral Park, N. Y.  
For page see List of Advertisers

**GLASS**

Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.  
Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.  
Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.  
S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.  
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
Sharp, Partridge & Co., 22d & Lumber St., Chicago.  
For page see List of Advertisers.  
Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.  
GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers  
GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
A. T. Stearns Lumber Co., Neponset, Boston.  
For page see List of Advertisers.  
King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.  
J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.  
For page see List of Advertisers.  
Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.  
Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.  
S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

I. Cassidy, Summer Ave. and Erie R. R., Newark, N. J.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

Curved Iceless Eave.  
For page see List of Advertisers.  
The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

Anchor grade wears well.  
Mineralized Rubber Co., New York, N. Y.  
Henry A. Dreer, 714 Chestnut St., Phila.  
Riverton Hose.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Assn. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.  
Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Piereson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arboreas Gland. Alba.

For page see List of Advertisers.

American Everblooming Hydrangea (H. Arboreas Sterilis), strong, nursery grown plants, \$15.00 per 100; \$14.00 per 1000; 8 to 12 in., \$10.00 per 100; \$9.00 per 1000; 5000 for \$400.00. Peonies, a choice collection. Festiva Maxima, strong divisions, \$18.00 per 100; Queen Victoria, \$7.00 per 100. A hundred other good sorts. Lists free. The E. Y. Teas Company, Centerville, Ind.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. B. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stunapp & Walter Co., 50 Barclay St., New York.

Killdead Tobacco Dust.

For page see List of Advertisers.

**IRIS**

T. C. Thurlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**JUMPING BEANS**

Jumping Beans, \$5 per 1000, post paid. McDowell, Mexico City.

**KENTIAS**

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made Up Specimens.

For page see List of Advertisers.

The Stearns Harrison Co., Plainville, O.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

**LOBELIAS**

Double Lobelia, Kathleen Mallard, 2 1/2 in., 4c. Strong cuttings from soil, all full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Anglo-American Spawn Co., Kennett Square, Pa.

For page see List of Advertisers.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhanau, East Walnut Hill's, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

Holland Nursery Stock for Forcing.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists

For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat. Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

Wm. Mathews, Utica, N. Y.

Orchid Peat.

For page see List of Advertisers.

**PEONIES**

T. C. Thurlow & Co., W. Newbury, Mass.  
New Peony Catalogue

For page see List of Advertisers.

Cottage Gardens Co., Queens, N. Y.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

Peonies, largest collection anywhere, 1200 sorts, big stock of Couronne d'Or, Felix Crousse, O. Demay, etc. C. Betscher, Canal Dover, Ohio.

PEONIES. Humel, a beautiful pink, 8c per 100. Ivory, fine white, 8c per 100. Write for our catalogue of novelties. Wagner Park Conservatories, Sidney, Ohio.

Peonies, Iris and Phlox. A few catalogue with cultural directions. Cherry Hill Nurseries, West Newbury, Mass.

**PHLOXES**

T. C. Thurlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago. For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.

Mineralized Rubber Co., New York, N. Y.

**PLANT TUBS**

H. A. Dreer, 714 Chestnut St., Phila.

For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,

Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.

For page see List of Advertisers.

J. Bretmeyer's Sons, Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,

Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

**ROSES**

- Bay State Nurseries, N. Abington, Mass.**  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.**  
For page see List of Advertisers.
- Dingee-Conard Co., West Grove, Pa.**  
For page see List of Advertisers.
- The E. G. Hill Co., Richmond, Ind.**  
Bride and Maid.  
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.**  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.**  
For page see List of Advertisers.
- S. J. Reuter & Son, Westerly, R. I.**  
Roses Own Roots from Grafted Stock.  
For page see List of Advertisers.
- Wood Bros., Fishkill, N. Y.**  
Grafted Roses, Own Roots.  
For page see List of Advertisers.
- Worcester Conservatories, Worcester, Mass.**  
Grafted Bride and Carnot Roses.  
For page see List of Advertisers.
- Low-budded roses, No. 1, \$95.00; No. 1-1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.**
- ROSES.** On own roots.—Aurora, A. M. Soupert, Annie Mueller, Cardinal, Etolie de France, Franz Dugan, G. Harkness, G. McArthur, H. Gould, L. Battersea, Wm. D. McKee, Sofrano, Wellesley, 3-inch pots, \$5 per 100. Bride, La France—Red and White; Md. Schwalleri, Malmaison, Mamon Cochet—Pink and White, Maids, Perle, 3-inch pots, \$3.50. A. M. Soupert, Apricot, Killarney, Gen. McArthur, Sofrano, Souv. de P. Notting, Wellesley, H. Gould, S. King, Lady Battersea, V. Folkstone, 4-inch, \$8. F. E. Willard, Enchantress, M. Neil, G. Gate, Maids, Duch. de Brabant, A. M. Henrietta, Teplitz, 4-inch, \$6. Wagner Park Conservatories, Sidney, Ohio.

**S. A. F. CONVENTION ACCOMMODATIONS**

- Tower Hotel, Niagara Falls, N. Y.**  
For page see List of Advertisers.

**SEEDS**

- T. J. Grey Co., 32 So. Market St., Boston, Mass.**  
For page see List of Advertisers.
- Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.**  
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia.**  
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.**  
For page see List of Advertisers.
- Arthur T. Boddington, 342 W. 14th St., New York.**  
Boddington's Challenge Pansy, also Sweet Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.
- H. F. Michell Co., 1017 Market St., Phila.**  
Pansy Seed.  
For page see List of Advertisers.
- James Vick's Sons, Rochester, N. Y.**  
Vick's Superb Pansy Seed.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.**  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Rickards Bros., 37 E. 19th St., New York.**  
For page see List of Advertisers.
- R. & J. Farquhar & Co., 6-7 So. Market St., Boston.**  
For page see List of Advertisers.
- Braslan Seed Growers Co., San Jose Cal.**  
For page see List of Advertisers.
- H. E. Flske Seed Co., Faneuil Hall Sq., Boston.**  
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J.**  
For page see List of Advertisers.
- Stokes' Seed Store, 219 Market St., Phila.**  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.
- C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.**  
For page see List of Advertisers.

**SPHAGNUM MOSS**

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.
- Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

- "SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.**

**STEAM TRAP**

- E. Hippard, Youngstown, O.**  
For page see List of Advertisers.

**STRAWBERRY PLANTS**

- R. & J. Farquhar & Co., 6 and 7 So. Market St., Boston.**  
Pot-Grown.  
For page see List of Advertisers.

**SWEET PEAS**

- A. C. Zvolanek, Pound Brook, N. J.**  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

- E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.**  
For page see List of Advertisers.

**VENTILATING APPARATUS**

- Pierson U-Bar Co., 1 Madison Sq., N. Y.**  
For page see List of Advertisers.
- Poley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.**  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.**  
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.**  
For page see List of Advertisers.
- Quaker City Machine Co., Richmond, Ind.**  
20th Century Ventilating Arm.  
For page see List of Advertisers.
- VENTILATING MACHINERY.** New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1132 Broadway, N. Y.

**VIOLETS.**

- How to Make Money Growing Violets, will be sent postpaid for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- Commercial Violet Culture, by B. T. Galoway, sent postpaid for \$1.50, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**WIRED TOOTHPICKS**

- W. J. Cowee, Berlin, N. Y.**  
For page see List of Advertisers.

**WIREWORK**

- Reed & Keller, 122 W. 25th St., N. Y.**  
For page see List of Advertisers.
- Welgel & Ujfalussy, 136-138 W. 28th St., New York.**  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework.** Write for our catalogue Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.**  
Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

**WHOLESALE FLORISTS****Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.**  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.**  
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St., Boston.**  
For page see List of Advertisers.

**Buffalo**

- Wm. F. Kasting Co., 383-87 Ellcott St., Buffalo, N. Y.**  
For page see List of Advertisers.

**WHOLESALE FLORISTS—****Continued  
Chicago**

- Chas. W. McKellar, 51 Wabash Ave., Chicago.**  
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.**  
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.**  
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St., Chicago.**  
For page see List of Advertisers.

**Detroit**

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.**  
For page see List of Advertisers.

**Minneapolis**

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.**  
For page see List of Advertisers.

**New York**

- J. S. Fenrich, 119 W. 28th St., New York.**  
For page see List of Advertisers.
- Ford Bros., 48 W. 28th St., New York.**  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.**  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.**  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.**  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.**  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.**  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.**  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.**  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.**  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.**  
For page see List of Advertisers.
- Frank S. Hicks & Co., 39 W. 28th St., New York.**  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.**  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.**  
For page see List of Advertisers.
- A. Moltz, 55-57 W. 26th St., New York.**  
For page see List of Advertisers.
- Millang Bros., 41 W. 23th St., New York.**  
For page see List of Advertisers.

**Philadelphia**

- W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.**  
For page see List of Advertisers.
- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.**  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.**  
For page see List of Advertisers.

**Pittsburg**

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.**  
For page see List of Advertisers.

**St. Louis**

- H. G. Berning, 1402 Pine St., St. Louis, Mo.**  
For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

- Samuel A. Woodrow, 53 W. 30th St., New York.**  
For page see List of Advertisers.

**WILD SMILAX**

- E. A. Beaven, Evergreen, Ala.**  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

## List of Advertisers

Page	Page
Advance, The Co. .... 237	Manda Jos. A. .... 193
Altin Culture Co. .... 216	MacMullin E. A. .... 225
American Nursery. .... 219	Marshall, W. E. .... 218
American Nursery Co. .... 219	Mathews Wm. .... 193
American Wooden-ware Co. .... 215	McCarthy N. F. & Co. .... 229
Anglo-American Co. .... 220	McConnell Alex. .... 214
Spawn Co. .... 220	McKellar Charles W. .... 226
Aschmann G. .... 8	McKissick, W. E. .... 227
Atlanta Floral Co. .... 214	McManus Jas. .... 227
Bambrick Thos. H. .... 235	Metropolitan Mat-terial Co. .... 236
Barrows H. H. & Son. .... 218	Meyer J. C. & Co. .... 193
Bassett & Washburn. .... 242	Michell H. F. Co. .... 210-2 1-217
Bayersdorfer H. & Co. .... 170	Michigan Cut Flower Exchange. .... 229
Bay State Nurseries. .... 210	Midgley L. C. .... 223
Beaven E. A. .... 220	Millang Bros. .... 228
Berger Bros. .... 225	Mininger J. C. .... 237
Berning H. G. .... 229	Moon Samuel C. .... 214 219
Boddington A. T. .... 220-21-222	Moore, Hentz & Nash. .... 228
Boston Florist Letter Co. .... 229	Morse C. C. & Co. .... 221
Boston Plate and Win-dow Glass Co. .... 236	Murdoch J. B. & Co. .... 226
Bosch, Felix. .... 224	Murray Samuel .... 224
Bostrom-Braley Mfg. Co. .... 227	Niessen Leo Co. .... 226
Braslan Seed Growers Co. .... 221	Oechslein Frank. .... 194-222
Breck Joseph & Sons. .... 221	Ordenez Bros. .... 193
Bretmeyer's J. Sons. .... 224	Oudwerkerk P. .... 219
Bridgeman's Seed Warehouse. .... 221	Paethorpe P. R. Co. .... 217
Brill Francis. .... 221	Park Floral Co. .... 224
Budlong J. A. .... 226	Parshelsy Bros. .... 236
Burpee W. A. & Co. .... 213 221	Payne John A. .... 235
Buxton Geo. E. .... 223	Pennock Bros. .... 2 5
Carrillo & Baldwin. .... 193	Pennock-Meehan Co. .... 240
Cassidy I. .... 237	Perkins St. Nurseries. .... 222
Castle Co. .... 238	Peterson J. A. .... 222
Catact & Int. Hotels. .... 210	Pierce F. O. Co. .... 236
Chicago Carnation Co. .... 213	Pierston, A. S. .... 223
Childs John Lewis. .... 213	Pierson F. R. Co. .... 193
Clarke's David. .... 224	Per on U Bar Co. .... 219
Cleary's Horticultural Co. .... 214	Pehlman Bros. Co. .... 216
Consonas Geo. & Co. .... 229	Pratt B. G. .... 217
Cottee W. J. .... 229	Pulverized Manure Co. .... 217
Craig, Robt. Co. .... 194-222	Quaker City Machine Co. .... 237
Dale Estate. .... 26	Raynor John I. .... 228
Dingee & Conard Co. .... 21	Reed & Keller. .... 228
Duane Geo. B. & Son. .... 237	Reinberg Peter. .... 226
Dorner P. Sons & Co. .... 23	Reuter S. J. & Sons Co., Inc. .... 223
Dorrance Benj. .... 217	Rice Bros. .... 225
Dreer H. A. .... 196-237	Rice M. H. & Co. .... 225
Dunlop John H. .... 224	Rickards Bros. .... 221
Dysart R. J. .... 226	Robinson H. M. & Co. .... 229
Edwards Folding Box Co. .... 216	Rock Wm. L. Flo. Co. .... 224
Elliot Wm & Sons. .... 221	Roehrs Julius Co. .... 193
Ellwanger & Barry. .... 21	Roper Albert. .... 222
Elm City Nursery Co. .... 29	Roland, Thomas. .... 220
Esler J. G. .... 210	Rolker August & Sons. .... 235
Ernest W. H. .... 235	Rose Hill Nurseries. .... 2 9
Eyres. .... 220	Sander & Son. .... 193
Farquhar R. & J. & Co. .... 212	Schlegel & Fottler Co. .... 220
Fenrich J. S. .... 225	Schulz Louis. .... 216
Fiske, H. E. Seed Co. .... 217-221	Schulz Jacob. .... 224
Foley Mfg. Co. .... 219	Scott, John. .... 218
Ford Bros. .... 226	Sharp, Partridge & Co. .... 216
Framingham Nurseries. .... 210	Sheridan W. F. .... 2 8
Froment H. E. .... 228	Siggers & Siggers. .... 225
Gaedeke August & Co. .... 213	Situations & Wants. .... 235
Gavin Lnos. F. .... 221	Snyder & Irwin Co. .... 222
Grey T. J. Co. .... 221	Smyth Wm. J. .... 224
Gude Bros. Co. .... 214	Southworth Bros. .... 219
Guttman Alex. J. .... 223	Standard Plate Glass Co. .... 236
Hall Asso. .... 216	Stearns A. T. Lumber Co. .... 236
Haines J. E. .... 223	Stokes Seed Co. .... 222
Hartmann Hjalmar & Co. .... 221	Storrs & Harrison Co. .... 234
Hauswirth M. C. & J. E. .... 224	Stump & Walter Co. .... 217
Heacock Joseph. .... 212	Thorburn J. M. & Co. .... 221
Henderson Peter. .... 210	Thurlew T. C. .... 218
Herbert David & Son. .... 224	Totty Chas. H. .... 223
Herdeen Mfg. Co. .... 215	Tower Hotel. .... 210
Hewes A. H. & Co. .... 212	Traendly & Schenck. .... 228
Hicks Frank S. & Co. .... 225	United States Cut Flower Co. .... 223
Hilfinger Bros. .... 212	Valentine, J. A. .... 224
Hill, The E. G. Co. .... 211	Velthuis K. .... 222
Hippert F. .... 217	Vincent R. Jr. & Sons. .... 222
Hoenig M. J. .... 211	Waterer John & Sons. .... 219
Horan E. C. .... 213	Weathered C. .... 218
Houghton & Clark. .... 224	Weber F. C. .... 224
Hunt E. H. .... 217	Welch Bros. .... 225
Kastig W. F. Co. .... 222	Weigel & Uffalussy. .... 229
Kentucky Tobacco Product Co. .... 217	Wheelwright Geo. W. Paper Co. .... 218
Kessler, P. F. .... 228	Witter W. B. & C. .... 218
King Cons. Co. .... 237	Wilson. .... 214
Kroeschell Bros. Co. .... 217	Winterston, E. F. Co. .... 226
Kuebler Wm. H. .... 229	Witthold Geo. Co. .... 214
Lager & Hurrell. .... 212	Wood Bros. .... 212
Langjahr, Alfred H. .... 212	Woodrow, Sam'l A. .... 219
Leuthy A. & Co. .... 218	Worcester Conserva-tories. .... 213
Lord & Burnham Co. .... 238	Yokohama Nursery Co. .... 213
Lutton W. H. .... 237	Young & Nugent. .... 214
	Zangen O. V. .... 216
	Zinn Julius A. .... 215
	Zvolanek A. C. .... 220

## New Offers in This Issue.

### A RECORD-BREAKING CONVENTION EXHIBIT.

H. Bayersdorfer & Co., Philadelphia, Pa.  
For page see List of Advertisers.

### ASTERS AND GLADIOLI BLOOMS.

Albino Culture Co., Canfield, O.  
For page see List of Advertisers.

### CABBAGE AND CAULIFLOWER SEED.

Francis Brill, Hempstead, N. Y.  
For page see List of Advertisers.

### CARNATION O. P. BASSETT.

Bassett & Washburn, Hinsdale, Ill.  
For page see List of Advertisers.

### CHOICE CYCLAMEN SEED.

R. & J. Farquhar & Co., Boston, Mass.  
For page see List of Advertisers.

### COCOS, KENTIAS, ARECAS, BEN-GONIAS, FERNS.

Henty A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

### CONVENTION ACCOMMODATIONS.

Catact and International Hotels, Niagara Falls, N. Y.  
For page see List of Advertisers.

### CONVENTION GREETING.

H. F. Michell Co., Philadelphia, Pa.  
For page see List of Advertisers.

### CONVENTION EXHIBIT.

Robt. Craig Co., 4000 Market St., Phila.  
For page see List of Advertisers.

### CONVENTION GREETING.

W. E. McKissick, Philadelphia, Pa.  
For page see List of Advertisers.

### CUT ORCHIDS.

James McManus, New York.  
For page see List of Advertisers.

### C. SCHROEDERAE, C. TRIANAE, JUST RECEIVED.

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

### DRIPLESS STEEL BAR GREENHOUSE.

John A. Payne, 260-74 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

### EVERGREENS.

Southworth Bros., Beverly, Mass.  
For page see List of Advertisers.

### FIELD GROWN CARNATIONS.

Geo. E. Buxton, Nashua, N. H.  
For page see List of Advertisers.

### FLORISTS' GREENS, FERNS, GALAX.

George Consonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.

### FLCWERS AND FLORISTS SUPPLIES.

S. S. Pennock Meehan Co., Philadelphia, Pa.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

### FORCING BULBS, SEEDS FOR FALL SOWING.

W. E. Marshall & Co., 144 W. 23rd St., New York.  
For page see List of Advertisers.

## NEW OFFERS—Continued

### FORCING BULBS.

Peter Henderson & Co., 35 and 37 Cortland St., New York.  
For page see List of Advertisers.

### FURMAN BOILERS; SOUVENIR.

Herendeen Mfg. Co., Geneva, N. Y.  
For page see List of Advertisers.

### GREENHOUSE BUILDING MATERIAL.

Foley Mfg. Co., 26th and Western Ave., Chicago.  
For page see List of Advertisers.

### GLASS.

Parshelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

### INVITATION TO S. A. F. VISITORS.

Dingee & Conard Co., West Grove, Pa.  
For page see List of Advertisers.

### INVITATION TO S. A. F. VISITORS.

S. C. Moon, Morrisville, Pa.  
For page see List of Advertisers.

### INVITATION TO S. A. F. VISITORS.

Frank Oechslein, 2570-2606 W. Adams St., Chicago.  
For page see List of Advertisers.

### KENTIA BELMOREANA AND FORSTERIANA.

J. Roehrs & Co., Rutherford, N. J.  
For page see List of Advertisers.

### LILY BULBS: FREESIAS.

Wm. Elliott & Sons, 42 Vesey St., New York.  
For page see List of Advertisers.

### LILUM HARRISII, NARCISSUS, CALLAS, PANSY SEED.

Stokes Seed Store, 219 Market St., Phila.  
For page see List of Advertisers.

### MIGNONETTE, PANSY SEEDS.

Schelegel & Fottler Co., Boston.  
For page see List of Advertisers.

### NEW FIRM.

Skidelsky & Irwin Co., 144 N. 7th St., Philadelphia.  
For page see List of Advertisers.

### ORCHID BASKETS, PEAT.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

### PEONIES, PHLOXES, IRISES FOR SEPTEMBER PLANTING.

Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.

### PLANT AND TREE TUBS.

American Woodenware Mfg. Co., Toledo, O.  
For page see List of Advertisers.

### POINSETTIAS.

Louis Schmutz, 131 Clarkson St., Brooklyn, N. Y.  
For page see List of Advertisers.

### RETAIL FLORISTS.

Pennock Bros., 1514 Chestnut St., Phila.  
For page see List of Advertisers.

## READY NOW

### PTERIS TREMULA and PTERIS ARGYREA

Strong 2 1/2 in. h. pot plants, \$2.50 per doz., \$3.50 per 100.

### ADIANTUM CROWEANUM

Beautiful 3 in. h. pot plants, fine for cutting, pot sales or dividing, \$5 per doz., \$35 per 100.

### ARAUCARIAS

Never had better lot, 4 in. pot plants, 6 in. high, 35 1/2 in. h. pot plants, 12 in. h. high, 2 tiers, 6 tiers, 12 in. h. pot plants, 14 in. h. high, 3 and 4 tiers, 7 1/2 in. h. pot plants, 10 in. h. high, 4 tiers, \$1.

### PRINFULA SINENSIS

Fine strain, 2 1/2 inch pots, \$3 per 100.

### THE STORRS & HARRISON CO.,

PAINESVILLE, OHIO

### PANDANUS UTILIS

2 1/2 inch pots, \$6 per 100; 4 inch pots, \$12.50 per 100.

### SAINTPAULIA IONANTHA

(African Violet) etc. Grand pot plant. Strong 3 inch stock, \$10 per 100.

### FICUS ELASTICA

4 inch pot, 10 to 12 inches high, \$25 per 100; 5 inch pots, 20 inches high, \$60 per 100.

### KENTIA BELMOREANA

2 1/2 in. h. pot plants for centers of ferneries, \$7 per 100.

## HELP WANTED

WANTED.—At once, an assistant rose grower in American Beauty house near New York. Address, with experience and wages expected, Y. Y., care HORTICULTURE.

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED SITUATION—As forester or park foreman. Good references. Address B, care HORTICULTURE, 11 Hamilton Place, Boston.

## FOR SALE

FOR SALE—A No. 16 Hitching boiler used only two seasons. Being removed to make room for larger boiler. Apply to Edmund Reardon, Cambridge, Mass.

FOR SALE—About 4000 feet of 4-in. boiler tubes at 6c. per foot, and 2000 feet of 4-in. cast-iron pipe at 7c. per foot. All guaranteed to be in first-class condition. Joseph Laho, Joliet, Ill.

FOR SALE—Florist business, store and greenhouse in progressive city near New York. Full particulars on application. Address W. W., care of HORTICULTURE, 11 Hamilton Place, Boston.

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

FOR SALE—Special—Glass for sale below cost. 16x24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parselsky Bros., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—First-class flower store and greenhouses in good running order, stocked with Decorative Plants, Chrys., etc. A good established retail trade in the heart of a 28,000 populated city near Boston. Lease can be had from one to five years. Store has one living room and bath; everything modern. A good paying place to the right party. Only reliable persons need apply. Address Walter, care HORTICULTURE.

FOR LEASE—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

FOR LEASE—Lord & Burnham Iron House 60 by 160 within Boston city limits, all in good condition. Has been used for carnations for past four years. Also will sell field carnation plants for planting the benches. Address C. C., care HORTICULTURE, Boston.

## GREENHOUSE GLASS

JOBBERs AND DEALERS IN

Plate and Window Glass

Write for Our Prices

PARSHELSKY BROS.

59 Montrose Ave.

BROOKLYN, N. Y.

## A HANDSOME SOUVENIR FREE

AT THE FLORISTS' CONVENTION

FURMAN BOILERS will be on exhibition at the Florists' Convention, Niagara Falls, N. Y., August 18th-21st, 1908. If you visit the Convention, leave your name and address at our Exhibit and receive a handsome souvenir free.

The Herendeen Manufacturing Co., - - Geneva, N. Y.

DREER'S  
Florist Specialties.  
KEYSTONE CEDAR  
PLANT TUBS.

Size	Length	Depth	Price
A 11	10	6 1/2	7.15
B 12 1/2	11	7 1/2	8.25
C 14 1/2	12	8 1/2	9.35
D 16 1/2	13	9 1/2	10.45
E 18 1/2	14	10 1/2	11.55
F 20 1/2	15	11 1/2	12.65

Three largest sizes have handles.

## Special PAUL TUBS.

8 inches 5 1/2 25.00

11 " 7 1/2 30.00

Painted Green.

HENRY A. DREER,  
714 Chestnut Street,  
Philadelphia, Pa.

## NEW OFFERS—Continued

## RIBBONS AND OTHER FLORISTS' SUPPLIES.

M. Rice & Co., 1220 Race St., Philadelphia.  
For page see List of Advertisers.

## SEEDS, BULBS AND HORTICULTURAL SUPPLIES.

H. F. Michell Co., Philadelphia, Pa.  
For page see List of Advertisers.

## SULFUR BURNER.

Benj. Dorrance, Rose Growers,  
Dorrance, Pa.  
For page see List of Advertisers.

## SCALECIDE.

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

## SWEET PEAS, EARLIEST WHITE.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

## WHOLESALE FLORISTS.

Berger Bros., 1305 Filbert St., Philadelphia.  
For page see List of Advertisers.

## GREENHOUSES BUILDING OR CONTEMPLATED.

Philadelphia, Pa.—C. M. Clark, house 32x54.

Oberlin, O.—V. E. Rice, range of houses.

Oregon, Ill.—F. M. Gilbert & Son, one house.

Worcester, Mass.—D. E. Kavanaugh, one house.

Anbarn, Me.—Ernest Saunders, house 33x200.

Minneapolis, Minn.—N. H. Reeves, house 60x125.

Newburgh, N. Y.—Yuess Gardens Co., one house.

Glastonbury, Conn.—O. R. Morgan, house 25x100.

Superior, Wis.—F. H. Rockwood, house 20x100.

W. Scarborough, Me.—Col. F. M. Dow, conservatory.

Floral Park, Pa.—Vern L. Schluraff, range of houses.

Amherst, Mass.—Agricultural College, range of houses.

Los Angeles, Calif.—Harold Mabie, range of carnation houses.

Watertown, Wis.—Milwaukee Electric Ry. & Lt. Co., range of houses.

Chatham, N. Y.—Chatham Floral Co., 20,000 ft. of glass.

Lynn, Mass.—S. J. Dolansky, house 25x80; addition to potting shed.



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
2500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/4 " " 5.25	60 8 " " 3.00
1500 3 1/2 " " 6.00	
1000 3 " " 5.00	<b>HAND MADE</b>
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
320 5 " " 4.51	24 11 " " 3.60
144 6 " " 3.16	24 12 " " 4.80
	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Holker & Sons, Agts., 81 Barclay St., N. Y. City.

Standard POTS  
Flower..

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

## AMERICAN PLANT AND TREE TUB

RED CEDAR	No.	Top	Deep	Price
A	8	9	5	15
B	11	9	5	11
C	11	12	6	15
D	12	12	8	15
1	13 1/2	12	1	100
2	14 1/2	14	1	125
3	16	16	1	150
4	19	18	2	200
5	21	20	3	300
6	25	22	4	400
7	25 1/2	24	5	500



The American Woodware Mfg. Co.  
TOLEDO, OHIO

## PATENTS

Trademarks and Copyrights

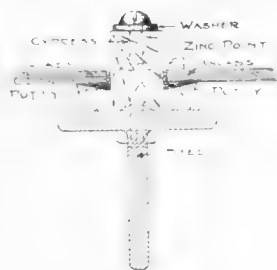
Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

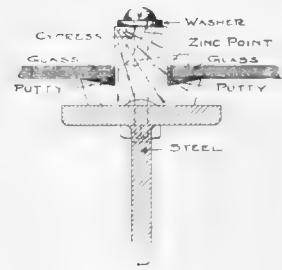




**Least Wood  
and  
Greatest Durability**

Be Sure To See Our Exhibit At The  
S. A. F. Convention at Niagara Falls

## The Payne Dripless Steel Bar Greenhouse



**The Lightest  
Construction and  
Greatest Strength**

Pronounced by experts who have examined it to be the most decided step ahead in practical greenhouse construction. It consists almost entirely of steel, including the ridge, having just sufficient wood to hold the glass in place and protect it from the changes of outside temperature.

The small wood bars employed are securely fastened to the "T" bars by means of bolts passing through both at frequent intervals. These bars are the means of insulating the glass from the iron and are arranged in such a way that they preserve the internal heat and prevent condensation, at the same time they are small enough to bring the "T" bars sufficiently close to the glass, to prevent the formation of ice at those points. There is absolutely no drip from this construction.

All of the wood is open to access at all times, and is not encased in steel, therefore, it has a thorough circulation of air around same, and can be painted at all times, thus making it beyond question the lightest and most durable construction yet manufactured. Greenhouses built on this principle are constructed with curved glass eaves doing away with the shadows from the eave plate. The roofs are supported either by our skeleton iron rafter or by posts and the steel work throughout is galvanized. These features combined with the minimum quantity of wood used represent the highest type of greenhouse construction.

**We Manufacture Every Type of Greenhouses.**

**Everything for the Heating Plant**

*Our Steel Bar Houses are manufactured under patents granted and applied for. Let us estimate on your requirements*

**JOHN A. PAYNE, 260-274 Culver Avenue, Jersey City, N. J.**

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

**Always Write Us Before Buying  
SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

## CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

The FLORISTS' HALL ASSOCIATION  
OF AMERICA, insurer of 29,000,000  
sq. ft. of glass. For particulars address

John C. Esler, Sec'y, Saddle River, N. J.

## METROPOLITAN MATERIAL CO.

GREENHOUSE WRECKERS

# GLASS

Look at these prices New  
American 10 ft. to the box, 10 x 12  
single \$1.34 per box, 10x12, 12x12  
B. double \$2.17 per box, 12x14 to  
12x20, 14x14 to 14x20, 16x16 and 16x18 B. double at  
\$2.58 per box, and 16x20, 16x24, 12x24 B. double \$2.75  
per box, 20x12 C double, \$2.00 per box. Discount on  
large quantities. Let us quote you on

CYPRESS MATERIAL HOTBED SASH  
BOILERS PIPE FITTINGS  
HOTBED FRAMES PLATS

1398-1408 METROPOLITAN AV., BROOKLYN, N. Y.

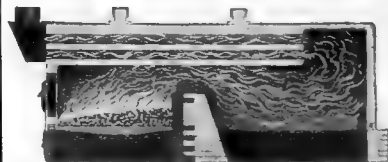
BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE  
Can not Crack**

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

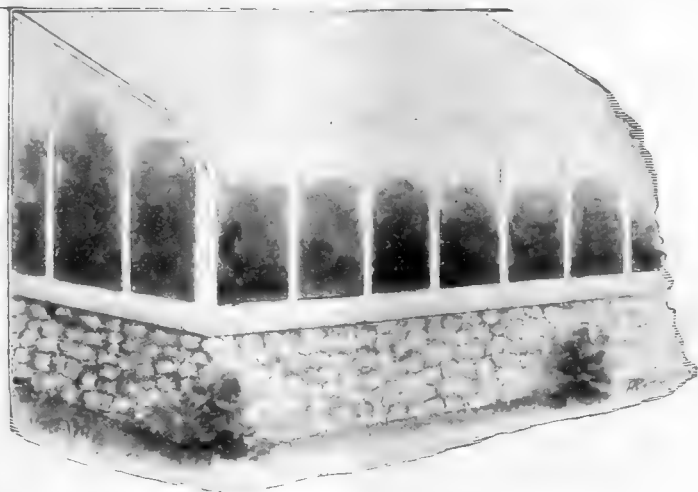
**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.

We are able to quote a low price  
on the majority of the electros of the  
illustrations in HORTICULTURE.

## MASTICA

FOR Greenhouse Glazing

**USE IT NOW.**  
**F. O. PIERCE CO.**  
12 W. Broadway and  
227 Greenwich St.  
NEW YORK



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KING STEEL FRAME TRUSSED HOUSES

Patent Rights Reserved

Up to 50 Feet Wide Without Posts

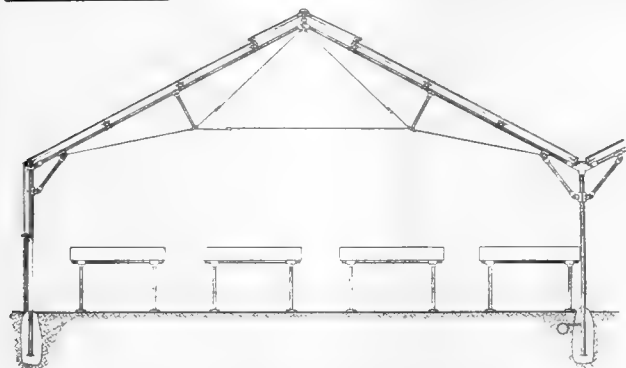
It Casts Less Shade. It Has Greater Stiffness.  
It Can Be Built in Wider Spans Without Posts.  
It is Less Expensive.

The introduction of this design marks a great advance in greenhouse building, making the highest type of construction available to the average commercial grower.

**"Ask The Man Who Has One"**

Names given on application  
Complete framework or fittings only supplied

**King Construction Co. N. Tonawanda, N.Y.**



Type of 25-Foot steel Frame Trussed Houses, of which 1600 lineal feet have just been erected by W. J. PALMER & SON, of Buffalo and Lancaster, N. Y.



### The Advance Ventilating Apparatus

Our exhibit will be at the Convention of the S. A. F. at Niagara Falls, and we would like to have every florist in attendance look over the same. We have many good things to show you. Our popular machine, our pipe carriers, shelf brackets, and new pat. pipe couplings, &c. Get our figures on apparatus, &c. We want to meet you all.

**The Advance Co.**  
RICHMOND, IND.

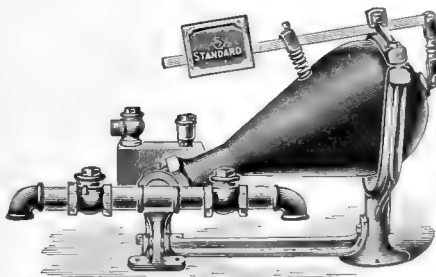
## IRON PIPE

SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE STANDARD STEAM TRAP



Is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO



### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

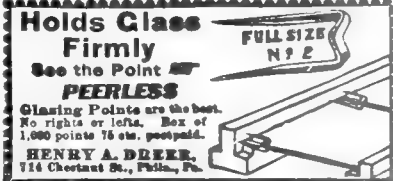
## GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO

## I. CASSIDY

Designer and Builder of

**Iron and Wood Greenhouses**  
Factory: Summer Ave and Erie R. R.  
Newark, N. J.



### Holds Glass Firmly

See the Point  
**PEERLESS**

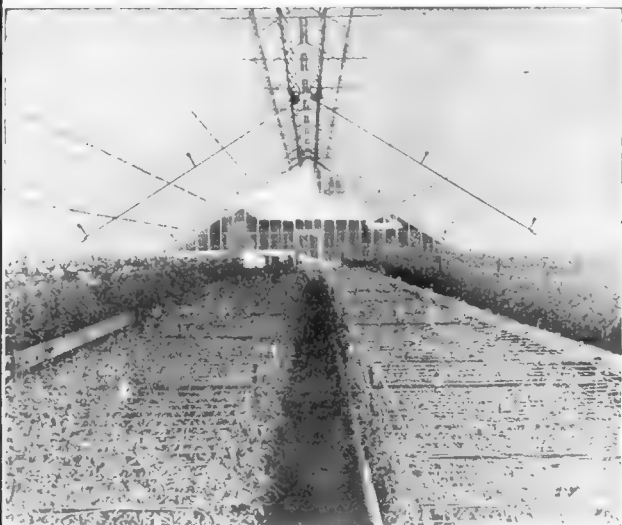
Glazing Points are the best.  
No rights or lefts. Box of 1,000 points 1/8 etc. postpaid.  
**HENRY A. DEER.**  
114 Chestnut St., Phila., Pa.

FULL SIZE  
Nº 2

**In writing to Advertisers kindly mention Horticulture**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1/3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

A. O. Address Box 789

NEW YORK CITY, N. Y.



### WE HAVE DUBBED IT OUR HANDY HAND BOOK OF GREENHOUSE MATERIALS

because it is what you might call all the greenhouse catalogs under one cover. A handy reference book on greenhouse material and equipment. The items are classified, grouped and indexed for ready reference. An invaluable book for Florists, Superintendents and Gardeners. The edition is limited—send for one at once.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.

## The Latest and the Best in Hot Water Heating AN AUTOMATIC CIRCULATOR

(Patent Applied for)

Works while you sleep. Should anything happen to the power, putting your forced circulation out of commission, this new device takes up its task automatically. Made with single, double or multiple propellers as our customers desire.

### The New Castle Couplings and Fittings

adapted particularly for Boiler Tubes. Every Joint both on Pipe and Fittings is an Expansion Joint. No more Rust or Screwed Joints. Applicable to Steam or Hot Water System. Can be used on Black Pipe or any other. Any Novice can put it together if he knows enough to handle a wrench. If you have any doubts about this it will cost but 2 cents postage to Find Out.

We are still placing the **Castle Boiler** and ready to accept orders for best modern piping systems.

Hot Water or Steam.

## The Castle Company

Heating Engineers

170 Summer St., Boston, Mass.

ULTIMATELY

YOU WILL BUY

# GREENHOUSE CONSTRUCTION MATERIALS

FROM

## THE FOLEY MFG. CO.

26TH AND WESTERN AVES.

CHICAGO

DIRECTLY

DO IT NOW



### THEY HAVE ALUMINUM INTERIOR FINISH

giving a beautiful glistening effect that will last for years. It is only one of the U-Bar strong points—some of the others are strength, lightness, simplicity, durability, adaptability, attractiveness, productiveness, and low cost of maintenance. Send for catalog.

*The ideal construction for private estates, parks, public institutions and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

EVERYTHING



IN FLOWERS



QUALITY

For \_\_\_\_\_

When you see this label

Packed by-No \_\_\_\_\_

Pkgs \_\_\_\_\_

Via \_\_\_\_\_

M. Train \_\_\_\_\_

**QUALITY**

is guaranteed

**S. S. PENNOCK-MEEHAN CO.**

**1608-20 LUDLOW ST.**

**THE WHOLESALE FLORISTS OF PHILADELPHIA.**



EVERYTHING IN RIBBONS



AND FLORISTS SUPPLIES.



# HORTICULTURE

Vol. VIII.      AUGUST 22, 1908      No. 8



J. A. VALENTINI

President Elect Society of American Florists and Ornamental Horticulturists



DEVOTED TO THE  
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS

PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.

SUBSCRIPTION, \$1.00 PER YEAR



# P=A=L=M=S

## KENTIA BELMOREANA

## KENTIA FORSTERIANA

			Per doz.	Per 100
2 in. pots	4-5 leaves	10-12 in. tall	\$1.50	\$10.00
3 "	4-5 "	11-13 "	2.00	15.00
4 "	5-6 "	12-14 "	5.00	40.00
5 "	6-7 "	10-22 "	.75 each	
6 "	6-7 "	22-24 "	1.00 "	
7 "	6-7 "	25-28 "	2.00 "	
7 "	6-7 "	28-36 "	2.50 "	
7 "	6-7 "	36-40 "	3.00 "	
8 in. tubs	7-8 "	5 ft. tall	5.00 "	
8 "	7-8 "	heavy 5 "	6.00 "	
10 "	7-8 "	very heavy 5 "	10.00 "	
10 "	7-8 "	5 1/2-6 "	12.00 "	
10 "	8-9 "	6-7 "	15.00 "	
11 "	11 "	very heavy 6 "	20.00 "	
13 "	7-8 "	8-9 "	30.00 "	
13 "	8-10 "	7-10 "	35.00 "	
16 "	11-12 "	10 "	45.00 "	

### Made-up Plants

7 inch tub	36-40 inches	\$2.50-\$3.00 each
8 "	40-50 "	3.50-4.00 "
7 "	pot 6 plants in pot 36-48 inches	4.00 "
9 "	tubs 3-4 " in tub 50-60 "	5.00 "
9 "	" 3-4 " " 60-66 "	6.00 "
10 "	" 3-4 " " 66-72 "	7.50 "
11 "	" 3-4 " " 72-75 "	10.00 "
11 "	" 3-4 " " 72-75 "	12.50 "
12 "	" 3-4 " " 84-90 "	15.00 "
11 "	" 5 " " 72-84 "	15.00 "
14 "	" 3-4 " " 84-90 "	18.00 "
14 "	" 3-4 " " 84-90 "	20.00 "
15 "	" 3-4 " " 132-144 "	25.00 "
15 "	" 6-9 " " 120-132 "	35.00-40.00 "
18 "	" 4-6 " " 144 "	45.00-50.00 "

## KENTIA BELMOREANA. Made-up Plants

7 inch pots 3-4 plants in pot 24 inches \$2.00 each | 7 inch pots 3-4 plants in pot 26-28 inches \$2.50 each  
7 inch pots 3-4 plants in pot 38 inches \$3.00 each

Visit the Convention at Niagara Falls and See Our Samples. Ask for New Price List Just Out

# JULIUS ROEHRS CO., Rutherford, N. J.

## Special Low Prices

On large Specimen Kentias, Palms in Variety, Araucarias, etc., for Decorating Purposes.

### JUST RECEIVED

A large shipment of medium sized Kentias, Arcas, Coccoses, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

**A. LEUTHY & CO.,**

Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1

Grand Specimen Plants at \$3, \$4, \$5, \$6.

### JOHN SCOTT

Rutland Road and E. 45th St.

Tel. 2890 Bedford

BROOKLYN, N.Y.

### NEP. WHITMANI

2 1/4 in., \$5.00 per 100

### NEP. WHITMANI

3 1/2 in., \$25.00 per 100

### BOSTON FERNS

2 1/4 in., \$3.00 per 100

H. H. BARROWS & SON Whitman, Mass.



Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

## ORCHIDS

Orchid Baskets and Peat

Write for Prices

JOSEPH A. MANDA

191 Valley Road - WEST ORANGE, N. J.

## Fine Quality Orchid Peat

25-lbl lots..... 80c per bl  
50-lbl lots..... 75c per bl  
100-lbl lots..... 70c per bl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

## ORCHIDS

Our importation has arrived in Perfect Condition  
C. Gigas Sanderiana, C. Percivaliana,  
C. Gaskelliana, C. Mossiae.

Expect C. Mendelli shortly.

ORDONEZ BROS., Madison, N. J.

## ORCHIDS

Arrived in excellent condition, a large shipment of  
CATTLEYA SCHROEDERAE, finest type known.  
Also C. Trianae and C. Dowiana. Due in two weeks  
C. Gigas (Hardyana type), C. Chrysotoxa, Peristeria elata, Miltonia Vexillaria, Odontoglossum Harryanum and O. luteo-purpureum, Sceprium

WRITE FOR PRICES

LACER & HURRELL, Summit, N. J.

## IMPORTED ORCHIDS

Arrived in Superb Condition

Vanda coerules, Cattleya Trianae,  
Cattleya gigas Sanderiana, Cattleya Schroederiae, Oncidium varicosum.

JULIUS ROEHRS CO., Rutherford, N. J.

## ORCHIDS

Arrived in fine condition, C. Mossiae, C. Percivaliana, C. Trianae, C. labiata, C. gigas Sanderiana, C. Harrisoniae, C. Schroederiae, C. citrina Den. Formosum giganteum, D. Wardianum, D. Finleyianum, Oncidium Varicosum Rogersii, O. Tigrinum, O. Ornithorhynchum, Laelia anceps. To arrive shortly, Vanda Coerulea, Cattleya Gaspelliana, C. Mendellii, Phalaenopsis Amabilis, P. Schilleriana.

CARRILLO & BALDWIN, Secaucus, N.J.

# DREER'S CONVENTION MONTH SPECIAL OFFERS

## Cocos Weddeliana

A grand lot of plants in 7 in. pots, elegant, graceful specimens 30 inches high, perfect in every way, something entirely different from what you have been offering to your customers in the Decorative line heretofore, and a plant which will appeal to everyone: Price \$2.50 each, also a smaller size in five-inch pots, 24 inch 5 high, at \$1.00 each.

We are also carrying in stock an elegant line of the usual sizes for Fern Dishes in good shape, 2 1/2-inch pots, 5 to 6 inches high, \$1.50 per dozen; \$10.00 per hundred; \$90.00 per thousand. 3-inch pots, 8 to 10 inches high, \$2.00 per dozen; \$15.00 per hundred; \$140.00 per thousand.

## Our Exhibit at the Convention

During the Convention we will have on exhibition at Niagara Falls, N. Y., a full line of samples.

Our entire staff of travelers will be in attendance and will be pleased to give any information desired, and show samples.

Delegates attending the Convention are cordially invited to stop off at Philadelphia (either going or returning) and inspect our Nurseries at Riverton, N. J. where you will always find something to interest you.

## KENTIAS

Although the stock of Kentias generally is scarce not only in this country but also in the Palm centers of Europe, you will find our stock of nearly all sizes very complete, and all here offered of excellent quality and market value.

### Kentia Belmoreana

	Per doz.	Per 100	Per 1000
2 1/2-in. pots, 4 leaves, 8 to 10 in. high	\$1.50	\$10.00	\$90.00
3 " " 5 " 12 " "	2.00	15.00	140.00
4 " " 5 to 6 " 15 " "	4.50	35.00	
6 " " 6 " 20 to 24 " "	1.00 each.		
6 " " 6 to 7 " 26 to 28 " "	1.50		
11-in. tubs, 7 to 8 " 6 ft. high, very stocky,	20.00		
11 " " 8 to 9 " 7 to 8 ft. high, very stocky,	25.00		

The two large sizes are very shapely, handsome plants, and we are not often in position to offer large plants of Belmoreana at such reasonable prices.

### Kentia Forsteriana

	Per doz.	Per 100	Per 1000
2 1/2-inch pots, 4 leaves 8 to 10 in. high	\$2.00	\$15.00	\$140.00
3 " " 5 to 6 " 15 " "	2.50	20.00	175.00
4 " " 5 to 6 " 15 " "	5.00	40.00	
6 " " 6 " 28 to 30 " "	1.00 each.		
6 " " 6 " 34 to 36 " "	1.50		
7-inch tubs 6 to 7 " 4 ft. high	4.00		
8 " " 6 to 7 " 4 1/2 to 5 " "	5.00		
9 " " 6 to 7 " 5 1/2 " "	8.00		
10 " " 6 to 7 " 6 " "	10.00		
12 " " 6 to 7 " 8 to 9 " "	17.50		
12 " " 7 " 8 to 9 " "	20.00		

The sizes offered above at \$17.50 and \$20.00 each are exceptional good value for decorating purpose.

### Kentia Forsteriana—Made-up Plants

7-in. tubs, 4 plants in a tub, 34 to 36 in. high	\$2.50 each
7 " " " 36 to 38 " "	3.00 "
7 " " " 40 to 42 " "	4.00 "
8 " " " 42 to 48 " "	5.00 "
12 " " " 8 ft. "	15.00 "
12 " " " 8 " "	17.50 "

## Begonia Cloire de Lorraine

We are now delivering first-class stock of Begonia Lorraine, which have been propagated from leaf cuttings and will make plants that are much superior to stock grown in the ordinary way. You will make no mistake in placing your orders at once; the stock is certain to please you.

2 1/2-in. pots, \$2.00 per doz.; \$15.00 per 100.

3-in. pots, \$3.00 per doz.; \$20.00 per 100.

### Areca Lutescens

	Per doz.	Per 100	Per 1000
3-in. pots, 3 plants in a pot, 12 to 15 in. high	\$1.25	\$10.00	\$90.00
6 " " 3 " 24 to 26 " "	1.00 each.		

## SEASONABLE FERNS

**ADIANTUM FARLEYENSE.** Nice thrifty plants from 3-in. pots \$3.50 per dozen; \$25.00 per 100. 4 inch pots \$5.00 per dozen; \$40.00 per 100. 6-inch pots \$12.00 per dozen.

**ADIANTUM CROWEANUM.** The best and most profitable Maiden-hair to grow for cutting. Strong 3-inch pots, \$2.00 per dozen; \$15.00 per 100; \$140.00 per 1000.

**ADIANTUM HYBRIDUM.** Similar in general style to "Croweanum" and by some growers preferred; we consider it a good second, 2 1/2-inch pots, \$1.00 per dozen; \$6.00 per 100; \$50.00 per 1000.

**ADIANTUM CUNEATUM.** The popular Maidenhair Fern. Strong 2-inch pots, \$3.50 per 100; \$30.00 per 1000.

**MICROLEPIA HIRTA CRISTATA** { Strong 2 1/2-in. pots, \$6 per 100,  
**SITIOBIUM CICUTARIUM**

### Leading and Suitable Varieties for Fern Dishes

Aspidium Tsussimense	Pteris Argyrea
Blechnum Occidentale	" Cretica Albo Lineata
" Braziliensis	" Hastata
Cyrtomium Falcatum	" Magnifica



Cocos Weddeliana

For the most complete list of seasonal stock that can be offered at this season of the year, see our current **Wholesale List**. If you have not received a copy it will be mailed to you on application.

## Areca Verschaffelti

A grand lot of this beautiful Palm, a variety but seldom offered in quantity. Fine Strong plants.

4-in. pots.....50 cts. each, \$5.00 per doz.

5-in. pots.....75 " 7.50 "

## Latania Borbonica

	Per doz.	Per 100	Per 1000
2-in. pots.....	\$0.60	\$4.00	\$35.00
2 1/2 " ".....	.75	5.00	40.00
3 " ".....	1.25	10.00	90.00
4 " " 5 to 6 leaves, 12 to 15 in. high.....	2.50	20.00	

## Araucaria Excelsa (Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are of good value, and will be found a profitable investment to grow on for winter sales.

	Height	Each
4-in. pots, 6 to 8 in., 2 tiers.....		\$0.35
5-in. " 10 " 3 tiers.....		.65
6-in. " 12 to 14 " 3 to 4 tiers.....		.75
6-in. " 14 to 16 " 4 tiers.....		1.00
7-in. " 18 to 20 " 4 tiers.....		1.25

	Height	Each
Araucaria Excelsa 5-in. pots, 8 in., 2 tiers.....		\$0.75
Glaucia 6-in. " 10 to 12 " 3 tiers.....		1.00
7-in. " 16 to 18 " 4 tiers.....		2.00

	Height	Each
Araucaria Robusta 5-in. pots, 8 in., 2 tiers.....		\$1.00
Compacta 6-in. " 10 " 2 to 3 tiers.....		1.25
6-in. " 12 to 14 " 2 tiers.....		1.50

## Ferns in Flats

These flats contain about 50 plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price, \$2.00 per flat.

**ASPARAGUS PLUMOSUS NANUS and SPRENGERI.** Strong 2 1/2 inch. plants per flat, \$1.50 per 100; \$15.00 per 1000.

**DRACENA FRAGRANS.** 4 inch pots, \$1.50 per doz.; \$10.00 per 100. 4 inch pots.....3.00 per doz.; 30.00 per 100. 6 inch per doz.....5.00 per doz.; 40.00 per 100.

**D. MASSANGIANA and LINDENI.** 4-inch. pots, \$1.00 per doz.

**D. TERMINALIS.** A new variety, 4-in. pots, \$1.50 per doz; \$10.00 per 100.

**HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.**



# COLD STORAGE

## LILIUM GIGANTEUMS AND SPECIOSUMS, &c.

potted in July will flower for Christmas; this is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

Our stock of Coldstorage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

### LILIUM LONGIFLORUM GIGANTEUM

7—8 inch, 250 bulbs in a case.....	\$17.50 per case;	\$8.00 per 100;	\$70.00 per 1000
7—9 inch, 300 bulbs in a case.....	25.50 per case;	9.00 per 100;	85.00 per 1000
9—10 inch, 225 bulbs in a case.....	20.25 per case;	14.00 per 100;	130.00 per 1000

### LILIUM SPECIOSUM ALBUM

8—9 inch, 160 bulbs in a case.....	\$12.80 per case;	\$9.00 per 100;	\$80.00 per 1000
9—11 inch, 100 bulbs in a case.....	14.00 per case;	14.50 per 100;	140.00 per 1000
11—13 inch, 100 bulbs in a case.....	21.00 per case;	22.50 per 100;	210.00 per 1000

### LILIUM AURATUM

8—10 inch, 250 bulbs in a case.....	\$10.00 per case;	\$5.50 per 100;	\$50.00 per 1000
-------------------------------------	-------------------	-----------------	------------------

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,** 342 WEST 14TH STREET, NEW YORK CITY

## LILIUM HARRISII

James' Finest Stock Free of Disease

5 to 7, \$4.50 per 100, \$42.00 per 1000
7 to 9, \$10.00 " " \$90.00 " "

## WHITE CALLAS

	Per 100	Per 1000
Extra size 7 to 8 inches	\$10.00	\$95.00
First " 5 to 7 "	7.50	70.00
Second " 3 to 5 "	6.00	55.00

## PAPER WHITE NARCISSUS

True Grandiflora Type

13 ctm. and up \$8.75 per 1000, \$8.50 in 5000 lots
---

## ASPARAGUS PLUMOSUS NANUS

Green-house Grown \$3.00 per 1000
-----------------------------------

## PANSY SEED

Best in Existence. Send for Special List.

**STOKES SEED STORE.** 219 Market St., PHILADELPHIA, PA.

# GERANIUMS

READY FOR IMMEDIATE SHIPMENT about 200,000 good plants from 2-in. pots in all the best Novelties, New and Standard Varieties, including every color and shade found in Geraniums; prices range at \$2.00 per 100 for good Standard sorts up to 75c. each for Novelties.

**SPECIAL OFFER.** We will send 1,000 plants from 2-in. pots, fifty each of twenty varieties, our selection for \$18.50. Will make fine plants for early winter or Christmas.

We have an immense stock coming on and will be prepared to handle your orders for fall or winter delivery to your entire satisfaction and will make special prices on all orders placed early. Our Collection cannot be beat. We make up collections for Catalogue trade in all classes.

**R. VINCENT, JR. & SONS COMPANY, . . WHITE MARSH, MD.**

**CUT ASTERS** 50c to \$1.50 per hundred  
**CUT GLADIOLI** \$3.00 per hundred

**ALTIMO CULTURE CO.**

Canfield, Ohio.

Prices Quoted in these Columns are for Dealers Only.  
 When Writing to Advertisers Please Mention  
**HORTICULTURE.**

## POT CHRYSANTHEMUMS

BEST VARIETIES FOR

**BUSH PLANTS IN POTS**

Large Flowered, Pompon, Anemone Flowered and Single.

Good Assortment in Early, Mid-season and Late, 2½ in. 50c per doz., \$3 per 100. 4½ in. in pots, \$1 per doz., \$8 per 100.

## PRIMULA OBCONICA and P. CHINENSIS

Best Varieties

Ready Now, 2½ in. pots, \$3.00 per 100, \$25.00 per 1000.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.

Formerly Garfield Park Flower Co.

## A NEW PEONY CATALOGUE

WITH

Cultural Directions

ALSO A LIST OF THE BEST

**IRIS and PHLOX**

Sent free to all applicants.

**T. C. THURLOW & CO.**

West Newbury, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

**A. N. PIERSON, Inc.**  
**CROMWELL CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

**Gloire de Lorraine Begonia**

2 1/4 inch pots, \$15.00 per 100  
 \$140.00 per 1000

**Thomas Roland,**  
**Nahant, Mass.**

**ROBERT CRAIG CO.**  
**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

**HYACINTHS, TULIPS, NARCISSI**  
**AND OTHER BULBS**  
**ROMAN HYACINTHS and the true**  
**PAPER WHITE GRANDIFLORA**

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
 Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

**JAPANESE**  
 THE YOKOHAMA NURSERY CO.  
 31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

# CARNATIONS

FIELD GROWN PLANTS

Enchantress, Bountiful,  
White Lawson, Mrs.  
Patten

Price \$6 per 100. Cash with Order

G. E. BUXTON

NASHUA - NEW HAMPSHIRE

## FIELD GROWN CARNATIONS

Strong healthy plants, free from disease. Special care given to the packing, using light slatted crates.

White—	Per 100	Per 1000
White Enchantress .....	\$8.00	\$70.00
Queen Louise .....	6.00	50.00
Pink—	Per 100	Per 1000
Pink Splendor .....	12.00	100.00
Rose Pink Enchantress .....	7.00	60.00
Enchantress .....	6.00	50.00

S. J. REUTER & SON, Inc.  
WESTERLY, R. I.

## CARNATIONS

FIELD GROWN, NOW READY

Fair Maid and The Queen the two best  
Bread and Butter Carnations on the market.  
Our Plants are equal to the best in New Eng-  
land. Extra strong, stocky, healthy plants.  
Order now, and we will ship when you want  
them. FAIR MAID, \$40 per 1000  
THE QUEEN, 40 per 1000

AUGUST CAEDEKE & CO.  
25 Concord Street, NASHUA, N. H.

## CARNATIONS

F. DORNER &amp; SONS CO.

La Fayette, Ind.

## 100,000 Field-Grown CARNATION PLANTS

Ready Aug. 15th

CHICAGO CARNATION CO., JOLIET, ILL.

A. T. PYFER, Mgr.

## JOHN E. HAINES

Bethlehem, Pa.

Imperial variegated ) Per 100 Per 1000  
Pink Imperial, Pink ) \$6.00 \$50.00

Place your orders early for Jan. delivery.  
Cash with order please.

## CARNATION PLANTS

5000 Enchantress, 1000 Rose Enchantress, 1000 Bounti-  
ful, 5000 good Scarlet Seedlings: All at \$6.00 per 100.  
\$50.00 per 1000. 1000 Boston Market, 4000 Enchantress  
No. 2, 2000 Penn, 4000 Queen, 2000 White Lawson:  
\$4.00 per 100. \$35.00 per 1000. Also 400 Grafted Bride  
Roses at \$10.00 and 300 Pres Carnot at \$4.00.

WORCESTER CONSERVATORIES

L. C. MIDDLEY, PROP.

Worcester, Mass.

## FIELD GROWN CARNATIONS

Immediate Delivery

For prices and varieties address  
CHARLES H. TOTTY, MADISON, N. J.

## FIELD CARNATIONS

High Land Grown

	Per 100	Per 1000
Rose Pink Enchantress	\$6.00	\$50.00
Enchantress - - -	6.00	50.00
Lady Bountiful - - -	6.00	50.00
Harlowarden - - -	5.00	45.00

Splendid Plants

	Per 100	Per 1000
White Lawson - - -	\$5.00	\$45.00
Pink Lawson - - -	5.00	45.00
Red Lawson - - -	6.00	50.00
Robert Craig - - -	6.00	50.00

Stock Now Ready for Shipment

UNITED STATES CUT FLOWER CO., Elmira, N. Y.

## BAY STATE

The big sensation of  
all the recent Carna-  
tion Shows. A noble  
flower, white with  
carmine markings.

Now Booking Orders for Next January Delivery.

Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000

ALBERT ROPER, Tewkesbury, Mass.

## TO OUR FRIENDS

If you attend the Flower Show  
in Horticultural Hall, Boston,  
on Aug. 22-23, we would be  
pleased to have you inspect  
our exhibit of

## Gladiolus Blooms

We think we have a collection  
of named varieties that will  
astonish you.

Yours very truly,

JOHN LEWIS CHILDS

Floral Park, N. Y.

IN ORDERING GOODS PLEASE  
MENTION HORTICULTURE.

## SOW NOW MY STRAIN OF Hardy Garden Carnations

	AS;	Per Oz.	Tr. Pkt
Special Mixture of extra double flowers,	\$2.50	.30	
Dwarf Scarlet Grenadin .....	2.00	.30	
Early Dwarf Vienna, finest mixed.....	1.00	.20	
New Early White Vienna, fine for cut,	1.50	.20	
New Early Dwarf Hardy Garden			
Pinks, in splendid colors, mixed.....	4.00	.50	

O. V. ZANGEN, Seedsman  
HOBOKEN, N. J.

## Carnations

Field grown. Now ready for delivery.  
Extra long, healthy plants.

Fair Maid, Queen, Enchantress  
\$40.00 per 1000

ALFRED N. EATON  
South Sudbury, Mass.

## GRAFTED ROSES

Special Bargain Sale

Extra fine Stock from 3 inch pots.

KILLARNEY, CARNOT, KAISERIN,  
UNCLE JOHN, RICHMOND,

\$2.50 per dozen \$15.00 per 100

BRIDE, BRIDESMAID, GOLDEN  
GATE, LA FRANCE,

\$2.00 per dozen \$12.00 per 100

OWN ROOT

KILLARNEY, KAISERIN, RICHMOND  
from 3 inch pots, \$7.00 per 100.

BRIDE, BRIDESMAID, GOLDEN  
GATE

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

WOOD BROTHERS, Fishkill, N.Y.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

## The Roses that Win

MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.  
Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.

## ROSES

A SPECIALTY

The Dingee &amp; Conard Co. West Grove PA.

Look through the Buyers' Directory  
and Ready Reference Guide. You  
will find some good offers there also.





Office of Joseph Heacock Company

makes us select and ship choicest plants only. A trial order will prove it. Repeated orders from old customers show their appreciation of our stock and methods.

New Wholesale Price-List on Application

## JOSEPH HEACOCK COMPANY

*Rose and Palm Grower*

WYNCOTE - - PENNA.

Get the right kind of plants at the right place and at the proper time. Now is the time to secure the

## Best Specimens of Kentias

the kind that quality trade demands. Send your orders soon to the office, pictured herewith, where they will have the best and promptest attention.

We supply Kentias of true type and characteristics. Our desire to please



### A WONDERFUL NEW NEPHROLEPIS

# Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants, 2 1/2 inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Rambles in the Rockies

"Oh, Beulah Land! Sweet Beulah Land."

I have seen much of our glorious country, but I think Beula, Colo., is one of the finest spots on earth. For 25 years I have had cottages here and I think I have not missed a year in coming to this charming resort. It is a very fertile valley shut in by mountains and furrowed by sparkling streams. It is a restful place and "the wine of the mountain air" sets your blood tingling with a new life.

Sometimes, as I come, genial Nature seems in a coquettish mood. As we approach the mountains from the plain the whole mighty range is veiled in cloud, which, like a vast curtain is moved to and fro by unseen hands. Now the snowy crest of Old Baldy is uncovered, next there is a rent in the veil, and lo! Old Scraggy with turrets and domes of granite—torn from the bosom of the earth and thrown skyward, is uncovered; then the curtain is lifted and mountain sides covered with eternal green, jutting crag and glorious forests are revealed. After a time of these partial exhibits the whole veil is lifted and floats away and the grand panorama is disclosed.

We come into the little village tired and worn with hard work and longing for rest, and over the summit of Nebo the clouds come like a flock of sheep; down the mountain side they gather all around us in silent, restful sympathy.

### SEED GATHERING

This place has long been famous for its trees of marvelous sheen—concolor, pungens and Englemann. One spring we gathered 85,000 for the United States Government plantations. This is headquarters for the seed collectors. Two years ago nearly two tons of choice rocky mountain conifer seeds were shipped from this point. While Prince Bismarck was alive we sent him quite a quantity for his forest plantation. Last year there were no seeds, and in a ride of hundreds of miles among the foothills and in the mountains I have not seen a single cone where we used to gather tons of seed. I have had a conference with our collectors and they inform me that in the high altitudes at an elevation of 10,000 feet or more, where the late frosts did not injure the cones there will be a limited amount. They cover a territory about 400 miles in extent and in about two weeks the arduous work will begin.

### HOW THE WORK IS DONE

A collector will have two or three assistants. They will go prepared to camp. They will have a tent and great bundles of sacks. Light ladders are made on the ground—some of the trees they climb—but their main dependence is on the squirrels. Up in those forests I have seen great trees bending with their weight of cones and in two weeks not one is to be seen. The nimble little fellows gnaw them off and let them drop and often the ground is covered. Now is the time for the collector. It does not take him long to fill his bag.

But what a scolding he gets from the little fellow. He exhausts all vocabulary of squirrel rage. The little fellow will scold a while and work awhile, but he drops all the cones just the same. It would be cruel to rob them were it not for the fact that he gnaws off twenty times as much as he can use. Sacks are packed on burros and horses which take them down the winding trails to the wagons, perhaps miles away. They are then loaded and brought here where some sunny spot is chosen and they are spread on canvas to dry. They are then threshed out and put through a fanning mill. Some have to be washed and dried immediately. Then they go to different parts of the world.

### STORAGE METHODS OF THE SQUIRRELS

These shrewd little fellows understand the business. They have regular storage beds they have used for years among rotted pine cones. It would not do to pile them up for they would rot, and they cannot very well keep them dry, so they dig a little pocket in the cone dust and set up perhaps a peck of cones on end, careful to pack so they will not heat or rot. These they carefully cover with the dust and they will keep a long time. I have known collectors to go out in winter when the snow was two feet deep and find these deposits and gather cones by the sack full.

### THE SUPPLY OF SEEDS

There is but little of the ponderosa pine of the foot hills. There is a limited amount at high elevations. Mark one thing, seeds from the foothills are best for the hot plains. Those from the high elevations are best for the North. In fact those from the hot foot hills will winterkill in Manitoba while those from high elevations and from the Black Hills will be all right.

There will be but a limited supply of Douglas spruce. Here let me sound a note of warning. On account of the scarcity of eastern slope seed, some dealers are securing seed from the western slope which is absolutely worthless in all our northern states. The seed may look all right and will germinate well, but every tree raised from them will die unless raised in the South. It is a pity that discrimination is not used.

Suppose a man in Iowa orders Douglas spruce seed; one firm offers it high—another at half price. He takes the latter as he doesn't know the difference. He gets a good stand and loses every seedling the next winter and then proclaims far and wide that the Douglas is not hardy in Iowa.

Pungens, Englemann, Aristata and flexilis pine always grow at a high elevation and are hardy in the extreme North. Concolor from the foot hills is not hardy in Minnesota, while that growing at an elevation of 10,000 feet is all right. The sub-alpina is somewhat akin to this, and always grows at a high elevation. Pinus Aristata, one of the most beautiful of all, belongs to the high altitudes.

There will be plenty of pungens, flexilis, Aristata and Englemann and very little of the ponderosa, and but a small supply of Douglas.

C. S. Hamman

# HORTICULTURE

VOL. VIII

AUGUST 22, 1908

NO. 8

PUBLISHED WEEKLY BY

**HORTICULTURE PUBLISHING CO.**  
**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.,  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—J. A. Valentine, President-Elect Society of American Florists.	
RAMBLES IN THE ROCKIES—C. S. Harrison	247
NEWS OF THE CLUBS AND SOCIETIES:	
Nassau County Horticultural Society—St. Louis	
Florist Club—Club and Society Notes	249
Lenox Horticultural Society	259
Florists' Hall Association of America	272
MT. DESERT FLOWER SHOW—Building of Arts—	
A Table of Fruits—Illustrations	249
SOCIETY OF AMERICAN FLORISTS—The Opening	
Session—President's Address	250
E. G. Gillett, Vice-President-Elect—Portrait	251
Secretary's Report	252
Treasurer's Report—Report of Committees—The	
President's Reception—Wednesday Morning's Ses-	
sion—Cincinnati Selected for 1909—Nomination of	
Officers—Welcome to Canadian Horticultural Asso-	
ciation—Report on President's Address	253
Wednesday Afternoon's Session—Thursday Morn-	
ing's Session—Election of Officers—The Exhibition	254
During Recess—Registration of Plants—Convention	
Notes	255
SEED TRADE	256
AMERICAN ASSOCIATION OF PARK SUPERIN-	
TENDENTS AT MINNEHAHA FALLS—Illustration	
J. W. Duncan, Portrait	258
OBITUARY—Francis J. Norton, Portrait	261
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, New York, Philadelphia	263
ROSES IN COLORADO—J. A. Valentine	270
MISCELLANEOUS:	
Coming Events	253
Publications Received	255
Catalogues Received	256
Incorporated	257
In Bankruptcy	257
Personal	260
Steamer Departures	260
New Retail Flower Stores	260
News Notes	260-271
Business Changes	261
Rose, My Maryland	261
Philadelphia Notes	263
Greenhouses Building or Contemplated	271
List of Patents	272

### Phases of the florist's character

Gardening has been aptly called "the purest of human pleasures." Every phase of horticulture is pregnant with sentiment and the florist's art in all its operations is so closely interwoven with romance that it is not surprising, when the horticultural craft meet together in convention, that trade talk and commercial topics, all-important though they are, are often put aside for the time being and scientific, classical or aesthetic subjects are eagerly given a hear-

ing. The true florist can never degenerate to a mere business machine. His associations put him in a receptive mood for high ideals, develop his faculties on intellectual lines and so we find him, oftener than otherwise, deriving his best pleasure and recreation within and not outside the bounds of his avocation which yields him all the mental, moral and physical recreation he cares for. There is little danger of the gardener ever becoming a business plodder; the thought is wholly foreign to our conception of what a gardener must be.

### Business value of the convention

These truths explain what has been a continual source of wonder and sometimes of disapproving comment when the conventions of the S. A. F. are discussed by those who are only familiar with the methods and operations of similar gatherings in other industrial lines. Such critics are wont to declare that the S. A. F. conventions are simply frolics and have no value in a business way but in this they are decidedly mistaken, being misled by their inability to understand how naturally and completely the horticulturist combines the zest of legitimate enjoyment with the consideration of definite problems of trade and details directly associated with his daily toil. The man who infers that because of the social enjoyments which are so prominent, the S. A. F. conventions are unproductive in a business way should spend a few hours in and about the exhibition department and there learn something of the serious commercial side of the institution. He will have his eyes opened to conditions to which no published story of the convention can ever do full justice and which will materially affect his estimate, thenceforth, of the business value of the S. A. F. convention.

### Affiliation and co-operation

One of the subjects which should be considered as having a vital bearing upon the future standing and influence of the National Society as well as upon the growth of the horticultural industries and the calibre of those employed therein is that of the relationship between the National Society and the various local clubs and associations, and of these local bodies respectively to their members. It must be apparent to every one who gives the subject any careful thought that the province of the florists' club and that of the national body must be very different and that any attempt on the part of either to cover the legitimate field of the other will never accomplish much. There are innumerable factors in the education and training of the florist and plantsman and in their elevation to their appropriate position in the community, which should be taken up and vigorously carried forward by the local institution. These things should not be permitted to occupy the time or attention of the national body which should, under the guidance of men of ripe experience and broad knowledge, turn its activities to problems of a national character which are beyond the scope of the town or state organizations but of vital importance to the well-fare of all. The National Society can never approach its proper usefulness until a better understanding and closer affiliation between it and the local organizations has been inaugurated. To those who feel most deeply concerned in the Society of American Florists and wish to see it take its rightful position as a centralized and dominant force this question of relationship and co-operation with and through the very efficient clubs and societies which are continually coming into being is perhaps the most vital problem which now confronts the S. A. F.

### NASSAU COUNTY HORTICULTURAL SOCIETY.

The society met on Wednesday evening, August 12, President Jaenicke in the chair. President Roosevelt and Capt. J. R. De La Mer were elected honorary members; three active members were elected. Preliminary schedules for the fall show and for the Dahlia Show were agreed on. The latter will open at four o'clock, October 14; Walter Shaw was elected one of the judges. Committees were appointed through the county to solicit advertisements for the schedules; special prizes were offered. The matter of printing new by-laws was placed in the hands of the executive committee, who will report at next meeting on any changes required. Pres. Jaenicke had on exhibition a photograph of his new daisy; S. J. Trepass, specimens of peach grafted on plum stock. James Elmslie, on invitation, gave an interesting talk on the asters he displayed. Following are the awards for points in the monthly competition: Egg plant, H. F. Meyer, 77; tomatoes, John Dromboski, 72; asters, V. Cleres, 74; certificates of culture to H. F. Meyer for collection of vegetables and Jas. Elmslie, asters; certificate of merit, J. Higton, vegetables; honorable mention, H. F. Meyer, cucumbers, Phoenix Roebelini; O. Adder, hydrangeas and grapes.

JAMES KESSON, Rec. Sec.

### ST. LOUIS FLORIST CLUB.

The club held its annual meeting on August 13. In the absence of the president and vice-president, J. J. Beneke took charge of the meeting



BUILDING OF ARTS—MT. DESERT FLOWER SHOW

with thirty members present. The election of officers was a leading feature and resulted as follows: President, William C. Young; vice-president, Edwin Denker; secretary, A. J. Bentzen; treasurer, F. H. Weber; trustee for three years, Henry Oster-tag. Several members were dropped for non-payment of dues. The trustees reported that the picnic cost the club \$50. John Steidle, state vice-president of the S. A. F., reported that about ten members would take advantage of his arrangements with the Big Four R. L. to attend the convention at Niagara Falls. Discussions from the question box made things interesting for all. The invitation of

J. F. Ammann of Edwardsville to hold the next meeting on September 10 at his place was accepted. After adjournment Trustee Ostertag invited all to a fine lunch.

### CLUB AND SOCIETY NOTES.

A floral exhibit will be a feature of the Tri-State fair held by Tennessee, Mississippi and Arkansas on September 28 at Memphis.

The last meeting of the Cincinnati Florist Club was held with R. Witterstaetter, and the chief business was the election of D. Sunderbruch as secretary to succeed C. J. Ohmer, resigned. President J. A. Peterson announced that everything was in readiness to present the invitation to the S. A. F. to meet in that city next year. After refreshments bowling was indulged in.

The American Association of Cemetery Superintendents held its twenty-second annual convention at Kansas City, Mo., August 11-13. About 125 members were present at the opening session when Mayor T. T. Crittenden, Jr. welcomed them to the city. A stereopticon lecture was the event of the first evening. The various cemeteries in the locality were visited, a barbecue dinner was served at Swope Park and the closing session on Thursday afternoon followed.

About forty members of the Gardeners' and Florists' Club of Boston spent the afternoon of Saturday, August 15 at the Massachusetts Agricultural College, Amherst. Luncheon was served in Draper Hall after which President Kenyon L. Butterfield welcomed the guests and vice-president William Downs responded for the club. A tour of inspection was then made through the orchards, garden, botanical department, the site of the new horticultural building and greenhouse, etc. The company returned to Boston by electric in the evening.



A TABLE OF FRUIT—MT. DESERT FLOWER SHOW

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

A Remarkable Gathering of the Florist Craft at Niagara Falls —  
The Trade Exhibition the Prime Attraction.

Cincinnati the Next Meeting Place.

## Officers Elected.

PRESIDENT—J. A. Valentine, Denver, Colo.  
VICE-PRESIDENT—E. G. Gillett, Cincinnati, O.  
SECRETARY—W. N. Rudd, Morgan Park, Ill.  
TREASURER—H. B. Beatty, Pittsburg, Pa.

Never before has an S. A. F. Convention opened with more delightful weather or more inspiring circumstances. The attendance was very large, equaling if not exceeding that of any recent year and probably unequalled even in the extent of territory represented. The entire ground floor of the big Cataract House, with the exception of the hall used for the meetings, together with a large annex built over the vacant space in the rear, was filled to the utmost with exhibits and it was stated that for the first time in the history of S. A. F. exhibitions the applications for space exceeded the accommodations and quite a number of late applications had to be turned away. A good many of the delegations had arrived on the previous evening and by noon on the opening day, Tuesday, August 18, all had arrived and the exhibition halls were thronged, the number of ladies present being notably large. Taken all together, it was a remarkable gathering together of the florist craft. Detroit sent an enormous crowd as did New York, Philadelphia and Chicago. The attendance from Cleveland, Cincinnati, St. Louis and Washington was a representative one. Boston and Pittsburg sent rather light delegations. The New York people were loud in their praise of the attention given them by the special representative of the D. L. & W. R. R., who accompanied the party and of Messrs. Rickard and Fenrich who had been entrusted with the duty of entertainment on their special train. The Detroit party had enjoyed a night on Lake Erie and a portion of the Chicagoans had traversed Lake Michigan and Lake Erie, having started on Saturday evening.

### THE OPENING SESSION.

The opening session of the convention was called to order by Vice-President George F. McClure at 2.45 p. m. He introduced Mr. E. T. Williams who in the absence of Mayor Douglass and at his request, extended the right hand of fellowship to the visitors, on behalf of the City of Niagara Falls. He made a flowing and polished address referring enthusiastically to the

world famed scenic properties of Niagara Falls which he said were recognized as the heritage of the whole world and would never be allowed to suffer from any commercial interference with their beauty and grandeur. He deprecated the agitation raised by the American Civic Association which he said was hysterical and based on theory and false premises.

Patrick O'Mara responded with characteristic eloquence, for the society. He referred to Niagara as an asset without a peer, aside from its economic value and that aesthetic sense and love for the beautiful is what induces us to prize Niagara and not its properties in kilometer or horse power, and warned the previous speaker in a jocular way that the American people, while fully trusting the city to do the right thing, were keeping their eye on it. He characterized the S. A. F. as existing for the purpose of making the world better and more beautiful, and ready to do its part in a general and specific manner.

The vice-president then introduced President F. H. Traendly who received an ovation and then after a few appreciative words proceeded to read his address as follows:

### PRESIDENT'S ADDRESS.

Ladies and Gentlemen: In preparing my address to you, I am following a custom established by all of my predecessors. I have no thought of outlining any policy which would help to build up our society to the numbers to which its good work for the different branches of our business entitles it. I know well that every conceivable plan for accomplishing this has been tried. The florists of the country have had an object lesson showing the value of organized effort to accomplish results, in the success of the society last year in appearing before the Interstate Commerce Commission for the purpose of compelling the express companies to revise their freight rates. The contention of the S. A. F. & O. H. prevailed, thus financially benefitting many florists throughout the country. This one instance should prove to

every one, grower, retailer, wholesaler and supply man, that his interest lies in becoming a member of the S. A. F. & O. H. They may then see that many problems which they have faced at some time during their career and conquered with difficulty, if at all, would have become easy if they had been members of the S. A. F. & O. H.

For the younger men of our business who expect to make their living in the florist business, being a member of the S. A. F. & O. H. will gain them much valuable information, as well as the experience and advice of our older members; and for the young man whose experience is confined to one branch of our business, there is no better way of gaining a general knowledge of the business than by attending the meetings of the S. A. F. & O. H.

We have just passed through one of the worst panics this country has had in years, and I think the florist business is to be congratulated, that it has weathered the financial storm as well as it did. To my knowledge very few failures have occurred, and while florists in general have not made the money they have made in recent years, I feel that I am safe in saying that most of them have more than paid expenses. I think this is much better than most manufacturing concerns were able to do.

Ex-President Burton and Ex-President Breitmeyer, in their respective messages, called attention to the large amount of greenhouse building going on at that time, and both felt that it would tend to over-production, and their predictions, I think, have since been verified. All through this last season especially, has this been so in regard to carnations, the New York market alone receiving at least four times as many of these flowers as were ever received before in any one season. This over-production has reacted on the producer to the extent of a large amount of worry as to the disposal of his stock.

Considering a season like the last, when flowers were abundant and cheap, it would seem to me that this



was a most opportune time for the retailer, who is the only outlet the grower has to give up the handling of painted iron or wax flowers, and also the use of cheap galax leaves, and advance the sale of greenhouse production. This would give the men who are the backbone of our business a chance to get more of the money which the intending purchaser meant for flowers.

#### Council of Horticulture.

The knowledge has come to me on numerous occasions of the good work done by this body in distributing articles through the daily press. Some of our largest dailies have given whole pages to these papers on the planting and care of different kinds of plants, some of these articles being beautifully illustrated. I think our society should donate a liberal sum to keep up this good work, as in no other way can I conceive of so much good advertising to our business having been done for so little money as has been subscribed in the past.

#### National Flower Show.

This I think is the most important undertaking in the history of the society, and the success of our First National Flower Show should be the earnest wish of every member of the S. A. F. & O. H. both from a financial as well as an artistic point of view. On the success of our first show much depends as to whether the society will continue to give shows in the future, and it behooves us from all parts of the country especially those of us in the East, to put our shoulders to the wheel; to contribute to the best of our ability whatever we have to exhibit in the line of plants or cut flowers, without regard as to whether the premium offered will compensate us for the value of the goods exhibited, but to remember that our reward is to come in increased future business.

#### National Flower Show and Private Gardeners.

To the men in charge of large private estates we must look for help in making our show a success. These men are in a position to exhibit the finest specimen plants, as well as the finest chrysanthemums and other cut flowers. I know the question has often been asked by some of the private gardeners, "What does the S. A. F. & O. H. do for us?" and we might answer that all of its energy is devoted to the cause of horticulture, from which all of us derive our livelihood, and therefore the Society deserves the support of every florist and gardener.

#### Horticultural Education in the Public Schools.

Much good has been done in the past by our society, and some individual members in the assistance lent to the different cities and national governments in pushing this good work along. I am sure we all appreciate the refining influence such education will have on the children, and I therefore hope that the good work will be kept up.

#### Registration of Ornamental Plants.

The Bureau of Plant Industry, Department of Agriculture at Washington has under consideration the matter of a plant registration bureau, the plan of which would I am sure only require

the endorsement of the S. A. F. & O. H. to be put in operation, and if tried and found to be practicable might lead up to other things from this department—public trial grounds for instance.

After conference with the Washington authorities, the following plan of registration has been outlined and is presented to you in the hope that the matter will receive your earnest attention at this convention.

**Object.** To secure uniformity of nomenclature for a given plant, and in the interest alike of the originator, seller and purchaser, to secure accuracy of description in trade catalogues, and to prevent error and confusion by exploiting as novelties under new names, plants already in the trade under established names.

To protect in America the rights of the originator or first introducer of a new variety or form of ornamental plant, by maintaining a record of the name of the originator, the parentage of the new form and date of its presentation for registration.

**Method of Procedure:** The registration of introductions and novelties to be encouraged by securing the cooperation of the Society of American Florists and Ornamental Horticulturists and allied organizations, best effort will be made to



E. G. GILLETT  
Vice President-elect.

secure information and keep records of as many introductions as possible, whether request is made for registration or not.

A list of all the names found in American trade catalogues will be compiled, and these names together with names found in such standard lists as the Official Catalogue of the National Daffodil Society, (Engl. Simon et Cochet, "Nomenclature de tous les Noms de Roses," Galt, "A peony check list" and other similar lists, shall constitute a standard list of names which may not again be used for plants belonging to the same group. From this list as a basis a check list of the plants in the American trade will be prepared as soon as the information can be secured, giving the correct botanical name of each species and so far as can be determined the name by which each horticultural variety is best known to the trade, indicating when possible the important synonyms.

Registration of the names of introductions and novelties will be made on application and the submission when possible of such material and descriptive matter as may be required for future comparison of a plant under a given name with the type, originally registered, and a statement under which it is known to the originator or introducer concerning the origin of the variety or form for which registration is requested. Beyond this statement there will be no guaranty that the name registered represents a variety new to the trade.

The originator or first introducer has the right to name a new introduction or novelty, but varietal names must be distinctive, and the names of importations must not be changed except when necessary to conform to the rules under which application is made.

Information concerning the origin of varieties or forms will be held confidential until after the distribution of the catalogue of the individual or firm for which the registration is made or which first lists the registered name for the variety in question, provided the name is listed in a catalogue which is issued before the first of July next succeeding the date of registration. When from the facts submitted in an application concerning the origin of a given variety it is evident that the same variety is represented by an earlier application from another individual or firm, registration will be refused for the latter applicant, but with their consent the parties interested will be put into communication with each other with a view to securing the introduction of the variety in question to the trade under the same name by the individual or firm concerned.

Registration will be refused when the name proposed does not conform to the rules printed on the reverse side of the application form, when proof cannot be furnished if required that the variety to which it is proposed to apply the name is distinct in origin from existing varieties, when necessary herbarium material, or when a statement concerning the origin, and a description sufficiently comprehensive to clearly express the characters or qualities of the variety together with a comparison of the one of which it is supposed to be an improvement or modification, are not furnished.

Records of identification will be kept when the nature of the subject will permit, these records to consist of descriptions, herbarium material of various kinds, photographs and colored drawings as may be necessary.

**Publications:** An annual publication will be issued after July 1st, which will describe as accurately as possible the registration of the previous year and state the name of the individual or firm introducing each with the affidavit of the originator or introducer concerning the origin of each variety for which the name has been registered.

#### Date of Meeting.

From a great many quarters I have heard complaints as to the date of our meeting, and while it is impossible to suit every one, this matter is worthy of our consideration. Some of our recent conventions have been held at a time when the weather was extremely hot, and this has been the reason for a great many of our members not attending these meetings. A change to the first week in September might be to our advantage, but I should advise that we go slow before making any change in our dates, and should get the opinion of every member of the society.

#### Tariff.

The question of a revision of the tariff may come up in the next Congress, and I would suggest that members who might be affected by or desire a change in the present tariff present their case to the Legislative Committee of the Society so that their interests may be taken care of.

#### Parcels Post.

I think that our society should keep in touch with the Postal Progress League through our Secretary, and when such legislation as we have endorsed comes up before Congress, the Secretary should draft a letter, a copy of which should be given by every member to his Congressman with the request that he do his utmost to further such legislation.

#### Ladies' Auxiliary.

The ladies are to be congratulated

on having an organization of their own, which enables them to become better acquainted, and adds to their pleasure and ours by a reunion every year at the annual convention.

#### Sports.

I am heartily in favor of having all of the different kinds of games, which have been features of the past convention, as I think they have been the means of bringing a great many of our younger members into the society, always remembering that business should be finished first and then have your sport.

Secretary W. N. Rudd then read his annual report and was followed by Treasurer Beatty with the financial report for the past year. The reports were as follows:

#### SECRETARY'S REPORT.

The undersigned assumed the office of Secretary on December 6th, 1907, as a temporary appointee of President Stewart, to succeed the late Secretary, P. J. Hauswirth, whose untimely death just at the close of his first year of service, we all deplore. This appointment was confirmed at a special session of the Executive Committee held in Philadelphia, December 23th, 1907.

The administrator of the estate of the late Secretary, requested that a careful check of his accounts should be made. This was done, and the same were verified, item by item. Immediate settlement was then made as per authority given the Secretary at a special meeting of the Executive Board on December 28th, 1907, and all funds due the Society were promptly placed in my hands, and by me transmitted to Treasurer Beatty, as per financial report hereto attached.

It has been the custom in years past for the Secretary to include in his report, the important matters from the proceedings of the Executive Board. Under resolution adopted at the last convention a full summary of the proceedings of the Board will be presented at a later hour, so that such items are omitted here.

The only subject of national legislation in which the society is especially interested at the present time, is the pending bill regulating the sale of seeds. The negotiations regarding this bill have been conducted by the seedsmen, and they have succeeded in having action suspended. It seems to your Secretary that, in view of the fact that our members are largely buyers and users of seeds, we should have a hearing in the matter, as our interests may not be identical with those of sellers of seeds in all respects. The original bill was very drastic in its provisions, and if passed would be likely to largely increase the cost to us, without giving us any off-setting advantages. I would suggest that the legislative committee be requested to watch the course of the bill and apply for a hearing at the proper time.

The National Flower Show is an event in prospect of great interest, but reports regarding it will be made by the special committee in charge at a later session.

#### Transportation.

Formal application was made to all Traffic Associations for reduced rates for our convention. The eastern lines quite generally granted a rate of one

fare and three-fifths for the round trip.

The lines west and south of Buffalo refused to make any concessions. Rehearings were applied for and obtained twice, but any concessions in the way of reduced rates were refused, except when coupled with conditions with which it was impossible to comply. An extensive correspondence was carried on and the matter was taken up direct with various officials but nothing could be accomplished. The recent general reduction of passenger rates from 3 to 2 cents per mile was given as an excuse for not making concessions.

#### Medals.

Medals have been delivered during the past year as follows:

Silver Medal: The Cottage Gardens Company, for carnation Alma Ward, offered through the American Carnation Society, and awarded at their Exhibition at Washington, January, 1908.

Bronze Medal: R. Witterstaetter, for carnation Afterglow, offered and awarded as above.

#### Plant Registration.

New plant names have been registered since last report as follows:

No. 370—January 27th, 1908. Name of Rose registered July 14th, 1906, by Paul Niehoff, as Aurora, changed to Mrs. Mary Niehoff.

No. 371—February 15th, 1908. Name of Hydrangea registered July 15th, 1906, by the E. G. Hill Company, as Hydrangea arborescens alba grandiflora, changed to Hydrangea arborescens grandiflora forma nova.

No. 390—April 27th, 1908. Canna, W. E. Cottrell, by the Frank Cummings Bulb and Plant Company, Meridian, Mississippi.

No. 391—May 1st, 1908. Sweet Pea, Governor John Franklin Ford, by Anton C. Zvolanek, Bound Brook, New Jersey.

No. 392—May 1st, 1908. Sweet Pea, Greenbrook, by Anton C. Zvolanek, Bound Brook, New Jersey.

No. 393—May 1st, 1908. Sweet Pea, Blue Bird, by Anton C. Zvolanek, Bound Brook, New Jersey.

No. 394—July 10th, 1908. Rose, Silver Moon, by Peter Henderson and Company, New York.

No. 395—July 10th, 1908. Rose, Garnet Climber, by Peter Henderson and Company, New York.

No. 396—July 10th, 1908. Rose, Dr. W. Van Fleet, by Peter Henderson and Company, New York.

#### Members Lost by Death.

Since the last report twelve members have died:

1907—September 29, E. A. Sanders, Chicago; December 4, P. J. Hauswirth, Chicago, (Life Member); December 18, W. W. Edgar, Waverley, Mass., (Life Member).

1908—January 31, J. B. Heiss, Dayton, Ohio; March 12, J. M. Gasser, Cleveland, Ohio, (Life Member); April 2, Warren F. H. Roxbury, Mass., (Life Member); April 6, F. P. Davis, Mobile, Alabama; May 19, Wm. Scott, Buffalo, New York; June —, Jas. Shanley, Brooklyn, New York; June 16, E. Hippard, Youngstown, Ohio; June 17, Alex. Wallace, New York; August 2, Christian Rieger, Pittsburg, Pa.; August 9, Warren W. Rawson, Boston, Mass.

#### Membership Statistics, July 31st, 1908.

Total annual members as per printed report of 1907, 719; Re-instated since publication of annual volume, 6; new members, 32; deceased, 8; total annual members enrolled, 749. Total life members as per printed report of 1907, 157; new life members, 17; deceased, 4; total life members enrolled, 170; total members enrolled, 919.

#### Approximate Percentage of 1907 Membership in Various States as Compared With Total Names in the Florists' Directory.

Alabama, 5+; Arizona, 0; Arkansas, 0; California, 1—; Colorado, 5+; Connecticut, 6—; District of Columbia, 27+; Delaware, 2—; Florida, 3—; Georgia, 4—; Idaho, 0; Illinois, 6—; Indiana, 5—; Iowa, 2+; Kansas, 0+; Kentucky, 6; Louisiana, 5+; Maine, 1—; Maryland, 11—; Massachusetts, 6+; Michigan, 7—; Minnesota, 4+; Mississippi, 2+; Missouri, 3; Montana, 0; Nebraska, 2+; Nevada, 0; New Hampshire, 3; New Jersey, 7—; New Mexico, 0; New York, 6—; North Carolina, 6—; North Dakota, 0; Ohio, 6+; Oklahoma, 0; Oregon, 0; Pennsylvania, 13—; Rhode Island, 6—; South Carolina, 4—; South Dakota, 2+; Tennessee, 0+; Texas, 1; Utah, 0; Vermont, 0; Virginia, 4+; Washington, 1—; West Virginia, 10+; Wisconsin, 5+; Wyoming, 0.

From the above it will be seen that the District of Columbia is far in the lead, with Pennsylvania a bad second (they had the convention last year too) Maryland and West Virginia divide honors for third place. Missouri beats all the big floriculture states, with New Jersey and Michigan next, but about a point behind. Massachusetts and Ohio lose to them by a neck, while Connecticut, Illinois, Kentucky, Louisiana, New York, North Carolina and Rhode Island are bunched near the 6 per cent mark.

There are listed in the Florists' Directory in round numbers 15,200 firms doing business as Florists, Nurserymen or Seedsmen in the United States. Our membership amounts to almost exactly 6 per cent of this number.

As the names listed in the directory are of separate establishments it is fair to estimate that there are 25,000 people engaged in the above lines of business as proprietors.

Our membership therefore can not greatly exceed 3 2-3 per cent of the proprietors in the above lines.

#### Lonesome Members.

An examination of the report for 1907 shows that Mr. Chas. Simon, Jr., was the only member in the state of Delaware; Mr. Albert Dirwanger the only one in Maine; Mr. C. A. Moss in South Carolina. Mr. E. C. Newbury in Tennessee and Mrs. A. L. Lambly in Washington. These gentlemen and ladies should be given deserved recognition.

The great state of Kansas had but two members, Nebraska three (we had a convention in Omaha once, did we not?), New Hampshire three and Texas three, while several states have no members at all.

#### State Vice-Presidents.

Many of the state vice-presidents have done excellent work in advancing

the interests of the society in every way in their power. To these the thanks of the society are due. Others have done little and a few have not even paid their personal dues. It seems to your Secretary that no man should accept the honor of such an appointment unless he is willing to at least "make a bluff" at doing the work.

#### Payment of Dues.

Many members seem to overlook the fact that dues are payable on the first day of January, and allow the matter to run along till convention time. The paying of dues at convention time when every one is working under high pressure, and inexperienced help is necessarily pressed into service, is certain to result in more or less errors, and in delay and annoyance to the members.

Quite an item of expense to the society is exchange on checks. Many members instead of sending a money order or a draft on Chicago (which most banks will furnish to their customers in small amounts without charge) are in the habit of sending personal checks which cost from 5 to 10 cents for each collection. This is undoubtedly thoughtlessness in most cases, but it costs the society a good deal of money just the same.

#### The Thanks of the Society

Are due to the publishers of the following papers for complimentary copies of their publications for use in the Secretary's office and for the prompt publication of all notices and reports sent them.

The American Florist.  
The Canadian Florist,  
The Florists' Exchange,  
The Florists' Review,  
HORTICULTURE.

#### SUMMARY OF TREASURER'S REPORT.

Jan. 1, Balance—General Fund .....	\$3,279.99	
Jan. 1, Balance Life Membership Fund.....	4,287.76	\$7,567.75
Receipts.		
Dec. 31, General Fund Total Receipts for the year 1907.....	\$544.73	
Dec. 31, Life Membership Fund Total Receipts for the year 1907.....	430.76	1,285.49
		\$8,853.24
Disbursements.		
Dec. 31, General Fund Total Disbursements for the year 1907..	1,133.03	
Dec. 31, Balance—Cash in Banks.	\$7,720.21	
Dec. 31, Balance on Deposit, Guarantee Title & Trust Co.: General Fund.....		
Checking Account.....	\$ 417.79	
Savings Account.....	2,583.99	\$3,001.69
Dec. 31, Balance on Deposit, Life Membership Fund, Germania Savings Bank.....	4,718.52	
		\$7,720.21

I certify that the balance shown above as on hand January 1st, 1908, is correct as per audited report for 1906.

W. N. RUDD, Secy.  
Examined and found correct,  
JOHN YOUNG,  
WM. J. STEWART,  
Auditors.

#### REPORTS OF COMMITTEES.

The secretary announced that out of 43 state vice-presidents, 25 had fur-

nished reports as provided. These were ordered printed in the Annual Proceedings.

Summaries of the proceedings of the Executive Board and the Census Committee were next presented, the latter by Chairman O'Mara. The difficulties attendant upon securing a full report of statistics of the greenhouse industry were alluded to and the society members were urged to co-operate in every possible way with the Department of Commerce and Labor in the efforts which are to be made to establish a definite system for procuring data of great value to the trade. He stated that the Census Bureau had recommended that ground surface instead of sq. ft of glass should be used in recording greenhouse dimensions, also that figures showing space devoted to each particular flower be discontinued.

F. R. Pierson reported very fully for the Tariff Committee. He stated that the committee was ready to recommend at the proper time that ad valorem duties be taken off all horticultural products and specific duties substituted. Mr. Pierson's presentation of the mysteries of the appraisers' valuations was impressive and convincingly conclusive as to the undesirability of continuance of present conditions. P. O'Mara, E. G. Hill and Benj. Hammond spoke in approval of Mr. Pierson's views.

Vice-President McClure reported for the Sports Committee and an amusing colloquy between that gentleman and John Westcott of Philadelphia on the topic of bowling and the provisions made for participation by the ladies in this popular pastime at this convention ensued.

The question of standard flower pots was brought up and it being represented that some western manufacturers had been deviating from adopted measurements, a vote was passed instructing judges in the exhibition not to recognize any exhibits of pots which do not conform to the standard adopted by this society. Reports of the Superintendent of the exhibition, the Entomologist and the Botanist followed and the two latter were simply ordered to be printed. Messrs. J. F. Sullivan, Adam Graham and John Birnie were appointed a committee on State Vice-Presidents' reports and Robert Simpson, P. O'Mara and Robert Craig on President's address.

#### THE PRESIDENT'S RECEPTION.

Tuesday evening was devoted to the pleasant and always popular annual President's Reception. President Traendly was assisted by an impressive receiving line of officials and their ladies and many hundreds took opportunity to enjoy his coveted handshake. Dancing and refreshments followed until the midnight hour and the affair was a huge social success.

#### WEDNESDAY MORNING'S SESSION.

On Wednesday morning the session opened at 10.15. The committee appointed to examine the reports of the various State vice-presidents handed in its report and same was read by Secretary Rudd and its recommendations adopted. Wm. F. Gude called attention to the enforced absence of Ex-President Wm. Smith because of ill-

ness, and on his motion a committee consisting of Wm. F. Gude, Ed. Lonsdale and Adam Graham was appointed to convey the kind wishes of the Society to Mr. Smith. On motion of Mr. Gude also, a vote was passed approving of the plan to erect a memorial to the late Wm. Scott in Buffalo and a committee consisting of Fred Breitmeyer, Ed. Winterson, A. Gude, John Birnie and H. H. Ritter was appointed with authority to solicit subscriptions. On motion of Wm. J. Stewart, a committee was appointed to draw up suitable resolutions on the death of Alexander Wallace, editor of the Florists' Exchange. Messrs. W. J. Stewart, H. B. Howard and H. B. Beatty were so constituted.

Prof. J. F. Cowell then proceeded to read his very learned paper on Fertilizers and Fertility.

Prof. Cowell's paper proved prolific in suggestion for discussion and many interesting questions and arguments were made by members on this all-absorbing topic.

#### CINCINNATI SELECTED FOR 1909.

It being announced that selection of place for next year's meeting was in order, J. A. Peterson of Cincinnati took the floor to extend an invitation from his city. Mr. Peterson's invitation was supplemented by cordial letters from the Mayor and other officials of the Queen City. E. G. Gillett further confirmed the invitations thus extended, referring pleasantly to the fact that the convention of 1909 will be the silver jubilee of the S. A. F., and the anniversary of the first convention, held in Cincinnati in 1885. Mr. Wm. Gammage then extended, on behalf of the Montreal florists, an invitation to hold the convention of 1909 in Montreal, Quebec, and in case the invitation is not accepted for 1909, it is extended with equal cordiality for 1910. Invitations in advance for 1910 were also presented from the Mayor and commercial bodies of the city of Rochester, N. Y. On motion of Robert Craig, the secretary was instructed to cast the unanimous vote of the convention for Cincinnati, and this was accordingly done.

#### NOMINATION OF OFFICERS.

Nominations for president were then called for. J. A. Valentine of Denver, Colo., was nominated in an eloquent speech by P. O'Mara, seconded by Irwin Bertermann, Wm. J. Stewart and others, and nominations were closed. The same unanimity prevailed in the case of E. G. Gillett as nominee for vice-president. For secretary, W. N. Rudd was nominated by Edwin Lonsdale and J. F. Sullivan by Mr. Scrivenor. Mr. Hallock paid an eloquent tribute to Mr. Rudd's faithful performance of the duties of secretary during the past year, under trying circumstances. For treasurer, H. B. Beatty was nominated by John Westcott. No other candidates and thus the only contest is on the election of secretary.

#### WELCOME TO CANADIAN HORTICULTURAL ASSOCIATION.

The representatives of the Canadian Horticultural Association having come into the hall, their president, John Walsh, was called to the platform, and amidst great applause and cheering was given a royal welcome, members

all rising in their seats and the hall being filled to the limit. President Walsh responded to President Traendly's words of welcome in a manner that indicated the excellent good judgment of the Canadian Association in making this gentleman their leader.

#### REPORT ON PRESIDENT'S ADDRESS.

Robert Craig reported for the committee on president's address, recommending that articles on cut flowers, etc., be prepared by members and forwarded to the secretary for publication in the daily press under the auspices of the National Council of Horticulture. The committee disapproved of the proposition to turn over the plant registration department to the U. S. Department of Agriculture, believing the present system to be sufficient for all practical purposes. The committee was also opposed to any change in date for annual meeting. They strongly favored the adoption of a U. S. Parcels Post. Their recommendations were adopted by an unanimous vote.

Jos. A. Manda then read the full report of the judges of the exhibition.

Ex-Mayor Cutler of Niagara Falls here made a speech giving details of the local courtesies to be extended to members and ladies, including another informal dance on Thursday evening.

#### WEDNESDAY AFTERNOON'S SESSION.

On Wednesday afternoon the Society indulged in a fraternal visit to the Canadian Horticultural Association in session at the Clifton House on the Canadian side of the river, and were received with profuse hospitality. The appearance of President Traendly upon the platform was the occasion for an outburst of enthusiasm and cordial greetings were voiced by President Walsh. At the conclusion of the routine business adjournment was ordered and the visitors spent the afternoon sight-seeing about the Falls, visiting the power house and other objects of interest.

On Wednesday evening the large hall of the Shredded Wheat Biscuit factory was crowded with a very large and brilliant audience to listen to J. Horace McFarland's illustrated talk on "What the Florists Can Do in the Crusade Against Ugliness."

#### THURSDAY MORNING'S SESSION.

The meeting convened at 10.30 A. M. The polls were opened and during the voting Wm. C. Barry of Rochester, N. Y., read a paper on Out-of-Door Roses, which was a splendid contribution to American rose literature. An interesting discussion followed. Resolutions on the death of Alexander Wallace were read by William J. Stewart and unanimously adopted.

A congratulatory cable message was received from Wm. Duckham and C. H. Totty, dated at Shrewsbury, England, and a telegram expressing good wishes from W. W. Castle of Boston.

Announcement was made that the Ladies' S. A. F. would entertain the S. A. F. members and wives at the Shredded Wheat Company's hall at eleven o'clock.

Discussion on the amendments to

the constitution ensued, and they were adopted.

A resolution was offered by J. Otto Thilo signed by forty-three exhibitors favoring exclusion of the general public from the annual trade exhibitions except on Thursday afternoon, and the resolution was unanimously adopted.

W. F. Gude presented a resolution to be telegraphed to W. R. Smith of Washington, regretting his absence and hoping for restoration to health.

Attention was called to various complaints of discrimination in overcharges and unsatisfactory service on the part of express companies in transportation of flowers. After debate, all those matters were referred to the Legislative Committee.

#### ELECTION OF OFFICERS.

The tellers made their report on the election. W. N. Rudd was re-elected secretary by vote of 196 to 76 for J. F. Sullivan. All the other officers were unanimously elected. Their report was received with prolonged cheers, and the successful candidates responded to calls to the platform and expressed appreciation of the honor and promised the best that was in them for the society's welfare.

#### THE EXHIBITION.

The exhibition was a prime attraction, and the halls were filled with interested visitors and buyers continuously. Following is a list of the various exhibits:

J. A. Peterson, Cincinnati, O. Lorraine begonias and Adiantum Farleyense.

Julius Roehrs Co., Rutherford, N. J., orchids, bays, crotons and palms.

Vaughan's Seed Store, Chicago, decorative plants, bulbs.

F. R. Pierson Co., Tarrytown, N. Y., Nephrolepis superbissima, N. elegantissima compacta and other new forms of Boston fern, also French and Dutch bulbs.

Geo. E. Browne, Greenfield, Mich., American carnation support.

W. F. Kasting, Buffalo, Lorraine begonias.

Henry A. Dreer, Philadelphia, bulbs, decorative plants, plant tubs, glazing points, etc.

Chas. D. Ball, Philadelphia, palms.

Bobbink & Atkins, Rutherford, N. J., palms and conifers.

Metairie Ridge Nursery, New Orleans, La., palms and conifers.

Storrs & Harrison Co., Painesville, O., roses.

Jackson & Perkins Co., Newark, N. Y., Hydrangea Japonica rosea.

Lager & Hurrell, Summit, N. J., orchids.

W. A. Manda, evergreens, orchids, stove plants, phloxes, etc.

H. C. Reeser, Springfield, O., hydrangea arborescens and Springfield fern.

Robert Craig Co., Philadelphia, crotons, Ficus pandurata, Nephrolepis Amerpohlii and other decorative plants.

H. F. Michell Co., seeds, bulbs, implements and sundries.

S. Feder, Mamaroneck, N. Y., straw mats.

Wilson Plant Oil and Fertilizer Co., Summit, N. J., Wilson's plant oil, hose, etc.

Arthur Cowee, Berlin, N. Y., gladiolus blooms.

E. E. Stewart, Rives Junction, Mich., gladiolus blooms.

John Lewis Childs, Floral Park, N. Y., gladiolus blooms.

Vick & Hill Co., Rochester, N. Y., asters.

Altimo Culture Co., Canfield, O., gladioli and asters.

A. T. Boddington, New York, bulbs, sweet peas.

Lemuel Ball, Philadelphia, decorative plants.

Roseville Pottery Co., Zanesville, O., decorated art pottery.

Robert Kift, Philadelphia, Pa., ferneries.

M. Rice & Co., Philadelphia, florists' supplies and ribbons.

Schloss Bros., New York, ribbons.

H. D. Mann Co., Syracuse, N. Y., jardinières.

Wertheimer Bros., New York, ribbons.

W. J. Boas & Co., Philadelphia, florists' boxes.

Reed & Keller, New York, florists' supplies, glass ware, plant tubs, etc.

The Deming Co., Salem, O., pumps.

Otto G. Koenig, St. Louis, patent corner lock for hot bed frames.

H. D. Seele & Sons, Elkart, Ind., plant supports.

Peters & Reed Pottery Co., Zanesville, O., fancy pots.

W. H. Elverson Pottery Co., New Brighton, Pa., Standard flower pots.

Whillden Pottery Co., Phila., standard flower pots.

W. P. Craig, Philadelphia, Pa., Italian art pottery.

Edwards Folding Box Co., Philadelphia, florists' boxes.

J. G. Neidinger, Phila., florists' supplies, artificial flowers, etc.

W. F. Kasting, Buffalo, wire frames.

C. S. Ford, Phila., florists' supplies.

L. Baumann Co., Chicago, florists' supplies.

Hummell & Downing Co., Milwaukee, Wis., florists' boxes.

H. J. Smith, Hinsdale, Mass., hardy ferns.

Crowl Fern Co., Millington, Mass., hardy greens.

Madison Basket Craft Co., Madison, O., twig baskets.

S. S. Fennock-Meehan Co., Philadelphia, ribbons.

Chris Winterich, Defane, O., Defiance Greenery Stump.

D. B. Long, Buffalo, floral stationery.

Ever Ready Flower Pot Co., Buffalo, N. Y., pot covers.

H. Bayersdorfer & Co., Philadelphia, florists' supplies, prepared flowers art pottery.

Ionia Pottery Co., Ionia, Mich., white clay pots, wire designs.

I. L. Pillsbury, Galesburg, Ill., carnation staple.

Heim Support Co., Connersville, Ind., carnation support.

J. Ginther's Sons Co., Buffalo, N. Y., iron lawn urns.

E. H. Hunt, Chicago, Wittbold self-watering system in operation, cement bench and greenhouse supplies.

Kroeschell Bros. Co., Chicago, hot water boilers.

John C. Moninger Co., Chicago, greenhouse building material.

Metairie Ridge Cypress Co., Metairie Ridge, La., "pecky" cypress.

King Construction Co., No. Tona-

wanda, N. Y., iron greenhouse building material.

Detroit Steam Trap Co., Detroit, Mich., steam traps.

W. F. Kasting Co., Buffalo, soil pulverizer.

Lord & Burnham Co., New York, greenhouse fittings and implements.

John A. Payne, Jersey City, N. J., semi-iron frame and iron frame greenhouse.

Herendeen Mfg. Co., Geneva, N. Y., Furman boilers.

Foley Mfg. Co., Chicago, ventilating apparatus.

Wilson-Hoyt Co., Short Hills, N. J., concrete steel bench.

Morehead Mfg. Co., Detroit, Mich., Morehead steam trap and boiler feed.

The Advance Co., Richmond, Ind., Advance Ventilating Apparatus and new pipe couplings.

Camp Conduit Co., Cleveland, O., bench tiles

F. O. Pierce Co., New York, Mastic Standard Pump and Engine Co., Cleveland, O., pumping engine.

Niagara Sprayer Co., Middleport, N. Y., sprayers.

A. Dietsch Co., Chicago, greenhouse building material.

Geo. M. Garland Co., Des Plaines, Ill., Garland iron gutter and cement bench mould.

Weathered Company, Jersey City, N. J., greenhouse boilers.

Benj. Hammond, Fishkill, N. Y., slug shot, putty and paint.

#### DURING RECESS.

On Wednesday there was a ball game at Niagara Falls between the Buffalo and All America Florists, which was won by Buffalo with a score of 8 to 3.

The Ladies' Society of American Florists held their annual meeting Thursday and elected Mrs. J. C. Vaughan, president; Miss Meinhardt, 1st vice-president; Mrs. C. H. Maynard, secretary; Mrs. A. M. Herr, treasurer. The old board of directors was elected. The meeting was followed by a reception to members and friends.

#### REGISTRATION OF PLANTS.

Public notice is hereby given of the application of the Conard & Jones Company, West Grove, Penn., for the registration of the plants specified below. These applications for registry were filed in this office on August 14th, 1908, and any person knowing of any reason why the registry of these names should not be made is requested to communicate with the undersigned.

No. 398. Rose—American Pillar—Flowers measure 3 to 5 inches across and very durable. They are borne in immense clusters. Color is a chaste shade of pink, while in the center of each flower is a cluster of bright yellow stamens, these are followed in the Autumn by pretty clusters of brilliant red seed hips. Parentage: Rose Setigera, X Seedling of Multiflora.

No. 399. Canna—Gladio-flora—(No. 2675. C. & J. Co., 1908). Petals are short and rounded and over-lap each other. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3 1/2 feet. Parentage: Sam Trelease x Venus.

No. 400. Canna—Minnehaha—(No.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

### JOHN WATERER & SONS, LD.

#### AMERICAN NURSERY

#### BAGSHOT, - - - ENGLAND

## HARDY NEW ENGLAND GROWN NURSERY STOCK

### Specimen Evergreens for August Planting

Large collection of choice varieties several times transplanted. *Herbaceous Perennials*, Strong field-grown plants in great variety for *September planting*. Catalogues containing everything for the Home Grounds Free.

**THE BAY STATE NURSERIES, North Abington, Mass.**

2744. C. & J. Co., 1908). Form much like Mont Blanc. Blossoms are extra large, petals are long, gracefully curved and have wavy edges. Colors deepen through shades of gold and cream to a center of peach blow pink. Height, 3 to 4 feet. Parentage: Evolution x Seedling numbered.

No. 401. Canna—Rosea Gigantea—(No. 2698. C. & J. Co., 1908). Single petals are 2 1/2 inches across, color a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 to 5 feet. Parentage: West Grove x Numbered Seedling.

W. N. RUDD, Secretary.  
August 15th, 1908.

#### COMING EVENTS.

Boston, Mass., Massachusetts Horticultural Society, Exhibition, August 22, 23.

Mechanicsburg, Pa., Grangers' Exhibition, Aug. 24-29.

Minneapolis, Minn., Inter-Lachen Flower Society, Aug. 25.

Sheboygan Falls, Wis., State Horticultural Society, Aug. 26 and 27.

Lenox, Mass., Horticultural Society Chrysanthemum Show, October 28, 29.

Spokane, Wash., National Apple Show, December 7-12.

#### PUBLICATIONS RECEIVED.

The Yearbook of the Department of Agriculture for 1907, which has just been sent out, contains as heretofore the report of the secretary of agriculture and in the main body of the volume are presented high-class papers dealing with the various phases of agriculture or containing practical information not heretofore published. There are also papers covering a wide variety of subjects prepared by officers of the department in which new lines of investigation are presented in interesting form. The volume is illustrated by 66 plates, of which 16 are in colors, and numerous text figures. An excellent portrait of the late James W. Pinchot forms the frontispiece, a man who in a long and honorable career as a public official and private citizen rendered inestimable service towards the study and practice of forestry in America.

#### CONVENTION NOTES.

Bassett & Washburn took orders for 85,000 O. P. Bassett, the new red carnation, during the first two days of the convention. Poehlmann Bros. led out with an order for 5,000.

The Chicago delegation left on the three o'clock train Monday for Niagara Falls, as there were not enough for the special which was scheduled for six o'clock.

**DAHLIAS.** Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N. J.



**HYDRANGEA**  
(Arborescens)  
**GRAND. ALSA**  
A taking novelty for **FORCING**  
Strong field-grown 15 inch and up \$15 per 100, \$140 per 1000. 10 to 15 inch \$10 per 100, \$90 per 1000.  
**The Elm City Nurs. Co.**  
NEW HAVEN, CONN.

**Hardy Rhododendrons Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our HOLLAND NURSERIES**

Prices Moderate  
**P. OUWERKERK,** 216 Jane St., Westhaven Heights  
P. O. No. 1, Hoboken, N. J.

## LARGE EVERGREENS

A fine lot of Colorado Blue Spruce, Hemlock Norway and Oriental Spruce, Nordmans Fir and other choice Conifers, 4 to 12 feet high, recently transplanted. Ask for list.

**SAMUEL C. MOON**  
Morrisville Nursery MORRISVILLE, PA.

**CLEARY'S HORTICULTURAL CO.**  
Management AMBROSE T. CLEARY  
Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted.  
**62 Vesey St., NEW YORK**



## Seed Trade

The predictions of a short pea crop which have appeared in HORTICULTURE since last June, are no longer questioned. It is "a certainty and not a theory" which confronts the trade, and we are getting measurably near the point where figures in the way of preliminary estimates can be given about as follows: Alaska, 50 to 60 per cent.; Advancers, 40 to 60; Horsfords, 50 to 65; Admirals, 50 to 65; Surprise, 40 to 50; Extra Earlies, 60 to 70; Gradus, 40 to 60; Thomas Laxton, 50 to 65; Telephones, Duke of Albany, Alderman and all peas of that class, 35 to 50; Champion of England, 40 to 60; Dwarf Telephones, 30 to 50. Most late semi-dwarfs such as Yorkshire Hero, Prince of Wales, Juno, Heroine, etc., will range from 40 to 60. Let it be remembered that these estimates are the "first in the field," probably weeks in advance of any official figures, and before any peas have been harvested except a few Alaskas and Extra Earlies, and the range between high and low figures will not seem so wide as on first reading. It is very confidently predicted that actual deliveries will come between the two figures, and nearer the low than the high. Paste this in your hat for future reference.

Again the pendulum swings towards a fair average sweet corn crop, and at this writing the prospects are quite encouraging. Rains came just in time to save the crop from the scorching heat, and it was quite possibly helped more in the end than it was damaged.

Unfortunately the same cannot be said of vine seeds in the Waterloo district at least, and nowhere is the crop in really fine condition. No extraordinary advance in prices is looked for at this time, as the aggregate acreage is large and a considerable shortage in the crop is not an unmixed evil, and seldom is, unless of course it reaches the dimensions of the shortage in vine seed crops of five or six years' ago, or last year's shortage in the pea crop, or for that matter this year's. This applies to the grower as well as the dealer, as full contract deliveries almost invariably mean sur-



## GIGANTIC PANSIES

Can only be produced from the **Giant Strains**. Our **CHALLENGE PANSY** seed contains only the **Giant** self colors, the **Giant Striped** and **Variegated** and the **Giant Blotched**, all carefully mixed in proportion. You could not buy better seed if you paid **\$100 per Ounce**.

### PANSY BODDINGTON'S CHALLENGE

Trade pkt. 50c;  $\frac{1}{8}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.50;  $\frac{1}{2}$  oz. \$2.75; Ounce \$5.00

*We also offer pansy seed in separate colors.*

*Write for special price and catalogue.*

## ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street - NEW YORK CITY

pluses in the hands of growers, which most of them are foolish enough to try to dispose of by cutting prices below contracting figures. But chickens come home to roost very quickly in such cases, for when the grower starts out making contracts for the following year he is lucky if he can get his cut price, and sometimes has to go yet lower. These large crops usually mean sinking prices and sluggish markets, while a 75 to 80 per cent delivery is rarely complained of, and generally keeps the market in an active and healthy condition.

Referring again to peas, a very extensive grower reports the complete loss of over 1000 acres of Alaskas owing to excessive rains, and because the peas were on low ground. Besides Alaskas, the concern has lost hundreds of acres of other varieties, and their experience is much the same as all of the other growers.

The Nott Seed Co. has been incorporated with offices at Troy, N. Y. The active head of this concern is Mr. P. K. Nott, late with Josiah Young also of Troy, N. Y. Mr. Nott is a high class seedsman, and his many friends will wish him success, but he is yet to demonstrate whether he has ideas original and attractive enough to make a place for himself in an already over-crowded field.

The National Seed Co., of Cleveland, Ohio, will make its bow to the public the coming season. The head of the concern is Mr. Richard Templin, formerly of Calla, Ohio. Mr. Templin is certainly going to operate on original lines, and the results will be watched with keen interest. It goes without saying that nothing of a fake character will form any part of his plans. The L. Templin Co., of which he was for many years the active head, was among the foremost in reliability and integrity.

J. Comont of J. Carter & Co., London and S. P. Dicks of Cooper, Taber & Co., London, are among the recent arrivals in New York.

The W. H. Mixson Seed Co., Charleston, S. C., is the outgrowth of the seed business carried on by the Southern Fruit Co., with the same officers and management.

### CATALOGUES RECEIVED.

Joseph Heacock Company, Wyncote, Pa.—Heacock's Kentias.

W. E. Marshall & Co., New York City—Bulb Catalogue for fall, 1908.

Otto Mann, Leipsic, Germany—Wholesale list of Bulbs, Plants and small fruits.

Cherry Hill Nurseries, West Newbury, Mass.—Evergreens, with hints on transplanting.

Ellwanger & Barry, Rochester, N. Y.—Select list of Peonies, Phloxes, Irises for fall planting.

Mohican Peony Gardens, Sinking Springs, Pa.—An illustrated descriptive list of this firm's only specialty, Peonies.

Elmsford Nurseries, Scott Bros., prop., Elmsford, N. Y.—Fall Price list of Bulbs, Roots, Plants, Trees, Shrubs and Evergreens.

## SWEET PEAS

### Zvolanek's Winter Flowering

Christmas Pink. Pink and white.  
Florence Denzer. Pure white.  
Mrs. Edie Wild. Carmine red. Per oz.  
50c. per  $\frac{1}{4}$  lb. 75c. per lb. \$1.00.

### Newer Varieties

Le Marquis. Dark blue.  
Mrs. Alex Wallace. Lavender.  
Mrs. F. J. Delansky. Daybreak pink.  
Mrs. Wm. Sim. Salmon pink. Per oz.  
50c. per  $\frac{1}{4}$  lb. \$1.50. per lb. \$5.00.

**MICHELL 1018 MARKET ST. PHILA., PA.**

## INCORPORATED.

Kalisch Bros. Floral Co., St. Louis, Mo.; E. W., J. M. and T. Kalisch; capital, \$9,000.

Columbia River Nursery Co., Spokane, Wash.; R. A. Jones, S. E. Jones; capital, \$80,000.

Merrivale Orchards Co., Clifton, Colo.; W. Harrison, A. H. Harrison, D. D. Potter; capital, \$25,000.

Fox Point Floral Co., Milwaukee, Wis.; A. H. Kellner, Hans Schulze, P. H. Schulze; capital, \$10,000.

## IN BANKRUPTCY.

E. Nelson of DuBois, Pa., has filed a petition in bankruptcy with liabilities of \$12,571.14 and assets \$10,338.33.

The firm of John Scheepers & Co., New York, has been petitioned into bankruptcy by S. Schwab, B. F. Drakenfeld & Co., and J. Hufer, creditors to the amount of \$2007.

William H. Donohoe, 17 E. 28th St., New York, has been petitioned into bankruptcy by Anna C. Donohoe, Mary Cronin and N. M. Neff. Preferential payments is given as alleged cause.

## Florists Mignonette

### FOTTLER'S ECLIPSE.

Greenhouse Grown Seed in trade packets of about 2000 seeds, \$1.00.

Finest Strain Ever Offered — Immense spikes, highly colored and fragrant.

**PANSY.** Special strain for florists. Trade pkt. 50 cents. Per oz. \$5.00.

Choice Strains of Florists' Seeds and Bulbs  
OUR SPECIALTY.

Trade Catalogue on Application.

**SCHLEGEL & FOTTLER CO.,** Seedsmen,  
BOSTON, MASS.

Mention HORTICULTURE when you write.

**LILIUM HARRISII**  
**LONGIFLORUM**  
**MULTIFLORUM**  
White Romans, Freesias  
**WM. ELLIOTT & SONS**  
42 Vesey St., New York

**Winter-flowering**  
**SWEET PEA SEED**  
All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANEK**  
ORIGINATOR. BOUND BROOK, N. J.

**SKIDELSKY & IRWIN CO.**

144 No. 7th St.

PHILADELPHIA, PENNA.

**LONG ISLAND CABBAGE**  
**CAULIFLOWER**

and other CHOICE SEEDS for DEALERS  
TRUCKERS and PLANT  
GROWERS.

Get My Price List Free.

FRANCIS BRILL, Hempstead, (L. I.) N. Y.

# SWEET PEAS

## For THANKSGIVING and CHRISTMAS

Boddington's strains have been used by a legion of satisfied customers for years.

**EARLIEST FLOWERING, LONGEST STEMS, TRUE TO NAME**

	Oz.	¼ lb.	½ lb.	Lb.
<b>BODDINGTON'S SNOWBIRD</b> , by far the best and earliest forcing white.....	20c	75c	\$1.25	\$2.00
<b>BODDINGTON'S CHRISTMAS PINK</b> , the earliest and most profitable pink.....	10c	40c	60c	1.00
<b>BODDINGTON'S CHRISTMAS WHITE</b> , a companion to Christmas Pink, just as free.....	10c	40c	60c	1.00
<b>BODDINGTON'S CANARY</b> , similar to Snowbird in habit, fine yellow "FLAMINGO", (New) magnificent scarlet, very early, crop short, offered in packets only, Pkt. 35c; 5 pkts. \$1.50	30c	\$1.00	1.50	
<b>FLORENCE DENZER</b> , pure white, similar to Christmas White....	10c	40c	60c	1.00
<b>WATCHUNG</b> , pure white, height 6 ft.....	20c	75c	1.25	2.00
<b>MRS. ALEXANDER WALLACE</b> , Lavender, the best variety in this color.....	50c	1.50	2.75	5.00
<b>MRS. WM. SIM</b> , Salmon Pink, a most profitable variety.....	50c	1.50	2.75	5.00
<b>MRS. E. WILD</b> , Carmine Red.....	30c	75c	1.25	2.00

**ARTHUR T. BODDINGTON, Seedsman**  
342 West 14th Street, - NEW YORK CITY

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

*Thorburn's*  
*Seeds*

NOW READY

Seeds of our Magnificent Strain

Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.

Cineraria, Pansy, etc.

Roman Hyacinths,

Bermuda Easter Lilies

Narcissus Paper White Grandiflorus  
Freesias, Callas, Liliun Formosum, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

Harrisii and Longiflorum, Freesias

French and California Grown.

ALSO PURITY FREESIAS AND OXALIS.

Now in and Ready for Delivery.

**H. E. FISKE SEED CO.**  
12 Faneuil Hall Sq., BOSTON, MASS.

**CAULIFLOWER'S**  
**CABBAGE**

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

**BRIDGEMAN'S SEED WAREHOUSE**  
**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**BRASLAN SEED GROWERS CO.**

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - - CALIFORNIA**

**BRECK'S SEEDS**  
For Farmer, Market Gardener and Florist  
New Crop High Grade

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit.

**JUST ARRIVED**  
LARGE SHIPMENT OF  
**High-Grade SCOTCH SOOT.**

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON

## American Association of Park Superintendents



As briefly stated in our issue of last week this organization convened at Minneapolis, Minn., on August 11, 12 and 13, this being the tenth annual meeting. The opening session was called to order by President J. F. Cowell at 10:30 A. M., Aug. 11, in the Mayor's reception room in the City Hall and introduced Alderman Merrill, president of the City Council, who made a speech of hearty welcome in which he paid an appreciative tribute to the superintendent of the Minneapolis park system, Mr. Theodore Wirth, and told of some of the romantic features of the splendid reservation under his care. He was followed by Mr. J. F. Cowell, who said:

"The value of a city can be measured by the amount of money it spends on its parks. It is a new courage to thousands of the city fathers and it is this thought that has led to the establishment of the American Association of Park Superintendents, who give their time without money compensation to this work. He

gave an interesting account of what had already been accomplished and



JOHN W. DUNCAN

President of the American Association of Park Superintendents

what it was hoped to accomplish in Minneapolis and seconded the sincere welcome extended by Mr. Merrill. Hon. C. N. Loring the "father of the Minneapolis park system" was next presented and extended a very hearty greeting to the visitors. President J. F. Cowell then voiced the gratitude and appreciation of his Society for the kind words which had been said.

The regular order of business was then taken up, the first item being the report of the Executive Committee which was ratified and accepted. Twenty-one applications for membership were favorably acted upon.

The report of Secretary F. L. Mulford was next presented. The membership of the Society, he said, now comprised two honorary and eighty-five active. A few sections in the Constitution were favorably acted upon, whereby park boards or governing bodies may become "sustaining" members on payment of ten dollars annually.

The place of meeting for next year was the subject next taken up. The Executive Committee recommended Harrisburg, Pa. Invitations eloquent and forceful were successively presented from Kansas City, Mo., Chi-

# at Minneapolis, Foot of Minnehaha Falls



ago, Ill., Cincinnati, O., and Seattle, Wash. The motion to comply with the recommendation of the Executive Committee was lost and the selection of location was postponed until a later session.

The second session opened with an address of welcome by Hon. C. M. Loring on behalf of the Minneapolis Commercial Club whose guest the Association was on this occasion. A paper by M. H. West on "Oiling and Dust Laying" was next in order and it was followed by a long and animated discussion. A paper on "Park Administration" was next read by the secretary, the author being absent. Among the interesting topics in the "Question Box" which was then opened was the advisability of greenhouses in connection with park work.

The evening session was opened by J. F. Foster of Chicago, who read a paper on the subject of "Concessions." Other papers later presented were "Concrete Construction in Relation to Park Work" by Jens Jensen and "Playgrounds in Minneapolis" by C. F. Booth. Some of the excellent papers and discussions at this convention will be published in HORTICULTURE at an early date.

## LENOX HORTICULTURAL SOCIETY.

The summer exhibition of annuals and perennials of this society was held in Town Hall on August 12 with throngs in attendance. Never before has such a fine collection of *Phlox decussata* been shown here and competition was extremely keen. The prize winners were Miss A. Kneeland, Mrs. George Westringhouse, Mrs. E. D. Wharton, Giraud Foster, Mrs. John Sloane and Mrs. J. E. Parsons; and noteworthy varieties were Dawn, Pink Beauty, Cross of Honor, B. Comte. Sweet peas were not so numerous as formerly but the collection of Giraud Foster which was awarded a diploma, included fine specimens of *Elita*, *Doris*, *Florence W.*, *Spencer*, *Black Knight*, *Queen Alexandra*. In the "open class" allowed Mr. Foster won with *St. George*. For *Exes* of 20 and under gladioli there were eight competitors. G. H. Morgan, W. D. Sloane and J. E. Parsons winning with *Arcturion*.

spikes of America, most of them measuring over five feet in length. Mrs. E. D. Wharton was first in perennials 18 varieties, with splendid specimens of *delphinium*, *Physostegia virginiana*, *Platycodon grandiflorum*, etc. Charles Lanier's collection of tuberous rooted begonias and vase of dahlias were noteworthy. In the fruit and vegetable classes Mrs. J. E. Parsons, G. H. Morgan, J. H. Choate, W. D. Sloane and Count de Hereédia carried off the honors.

The following awards were made. Certificates to Mrs. John E. Parsons, gardener R. Speirs, for 100 spikes of *Stenanthium robustum*; Count de Hereédia, gardener G. H. Thompson, for grapes, peaches and cherries in pots. Diplomas to Giraud Foster, gardener E. Jenkins, for *Dendrobium Phalaenopsis Schroederiae* and *O. grandis*; John Lewis Child, Floral Park, N. Y., for 50 vases of mixed gladioli; Charles Lanier for yellow transparent apples. E. O. Opper of So. Lancaster, Mass., and W. Angus of Chapinville, Conn., were the judges.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Fred Reynolds has taken a position  
with S. S. Peckham, New Bedford,  
Mass.

George C. Shaffer has been elected  
to the secretaryship of the Florist  
Club of Washington, made vacant by  
the resignation of Chas. McCauley.

Visitors in Chicago: J. A. Valen-  
tine, Denver, Colo.; George Stiles,  
Oklahoma City, Okla.; George Black-  
man, Evansville, Ind.; all en route to  
Niagara Falls.

Sidney H. Skidell, son of S. S.  
Skidelsky, in partnership with P. S.  
Noar Klein, announce the opening of  
their law collection offices at 608 Chest-  
nut street, Philadelphia.

John T. Withers, landscape gardener  
of Jersey City, has just returned from

### STEAMER DEPARTURES

#### Allan.

Virginian, Montreal-Liverp'l. Aug. 28  
Tunisian, Montreal-Liverp'l. Sept. 4

#### American.

Philadelphia, N. Y.-S'hmtn. Aug. 29

#### Atlantic Transport.

Minneapolis, N. Y.-London. Aug. 29  
Minnetonka, N. Y.-London. Sept. 5

#### Cunard.

Saxonia, Boston-Liverpool. Aug. 25  
Lusitania, N. Y.-Liverpool. Aug. 26  
Campania, N. Y.-Liverpool. Aug. 29  
Mauretania, N. Y.-Liverpool. Sept. 2

#### French Line.

La Touraine, N. Y.-Havre. Aug. 27

#### Hamburg-American.

Deutschland, N. Y.-Hamb'g. Aug. 27

#### Leyland.

Bohemian, Boston-Liverp'l. Aug. 26  
Winifredian, Boston-Liverp'l. Sept. 2

#### North German Lloyd.

K. Wm. der Grosse, N. Y.-B'n. Aug. 25  
Kronpr. Cecilie, N. Y.-B'n. Sept. 1  
Kronpr. Wm., N. Y.-Bremen. Sept. 8

#### White Star.

Oceanic, N. Y.-S'hampton. Aug. 26  
Celtic, N. Y.-Liverpool. Aug. 27  
Republic, Boston-Liverpool. Aug. 29  
Teutonic, N. Y.-S'hampton. Sept. 2

an extended tour of the English, Hol-  
land and French nurseries. During  
the trip he visited the most famous  
gardens and has brought back a re-  
markable collection of photographs  
showing European gardening styles.

### NEW RETAIL STORES.

W. A. Hammond, Lancaster, Pa.

Walter Armacost, Tucson, Ariz., 28  
N. Stone Ave.

McClellon Floral Co., 607 Second  
Ave., Fargo, N. D.

### NEWS NOTES.

A. H. Lanser, formerly of Wayne,  
has started in business at Devon, Pa.

September first will see the opening  
of a new house in the wholesale dis-  
trict of Pittsburg, Pa., officered by E.  
J. McCollum, Karl Klinke, F. B. Woods  
and W. P. Potter.

### Chicago.

Established in 1857



1657-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

PROMPT DELIVERY IN

BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

JACOB SCHULZ, 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."



**U Know Us**

It was E Ze to C that M. Rice & Co.'s Exhibit was the Best and Newest shown at Convention. NO OLD STOCK. ONLY HIGH CLASS NOVELTIES.

**ALL OF OUR OWN CREATIONS**

were shown. Get Wise. Don't place your Fall Orders for Supplies and Ribbons until U have seen our UP-TO-DATE NOVELTIES

The Leading Florist's Supply  
House and Ribbon Specialists.

**M. RICE & CO.**

1220 RACE ST.,  
PHILADELPHIA, PA.

**H. BAYERSDORFER & CO.**

*Known to the Trade for the past 30 years as the*

**Representative Florists' Supply House of America**

Always first in the market with anything that is new, novel and appropriate.

**WE HAVE PREPARED FOR YOUR NEEDS**

with a stock of desirable and useful **Summer Specialties**, unequalled in quality and extent anywhere on this continent and at prices that cannot be beaten. Orders by mail or telegraph will be filled immediately. Catalogue on application. Write for special offer on some new and tempting business getters that we have just received.

**H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia**

**BUSINESS CHANGES.**

John A. Myer has taken a lease of the Orr greenhouses at Wissinoming, Pa.

John Reuter has leased the greenhouses of Eugene Zimmer at Vancouver, Wash.

Wm. Thomas has purchased the greenhouses of F. W. Meyer at Kalamazoo, Mich.

C. W. Anderson has bought the business of the Conover Floral Co., Shawnee, Okla.

A. E. Moore has purchased the wholesale florist business of D. J. Sinclair at Toronto, Ont.

Ora Hill is in charge of the plant at Corry, Pa., recently purchased by his father, E. C. Hill.

The Park Floral Co. is a new concern at Nanticoke, Pa., composed of Edward Salyer and Henry Cornell.

The Cleveland Cliffs Iron Co. has purchased the Helmsdorfer greenhouses, Negaunee, Mich., and the plant will be closed up.

Henry Sonnebon, Jr., has taken over the business of the Frankford Flower Shop, Camden, N. J., and W. E. Montgomery has the position of manager.

W. A. Bramley has purchased the interest of his father and the business will be conducted under the name of Bramley & Son at the old stand 1181 E. 71st Street, Cleveland, O.

The partnership known as Labelliflo's Nurseries at Voorschoten, Holland, has been dissolved, and the business will be carried on under the same name by A. H. Ingenhoes Van Schaik.

**OBITUARY.**

Francis J. Norton.

Francis J. Norton of Dorchester, Mass., died on August 15, at the age of 29. He was a designer of exceptional ability, having learned his business with his father, M. H. Norton, in the



FRANCIS J. NORTON

store of Norton Bros., Boston. For some years previous to the time of his illness he was employed in the retail establishment of Edward MacMulkin. He was for some time Boston correspondent for the Florists' Exchange.

**ROSE MY MARYLAND.**

This variety, which was exhibited last season, is apparently an excellent grower. Notwithstanding the intense heat of the past few weeks, young stock, including both grafted plants and others upon their own roots, look exceptionally well, the growth being clean, healthy and full of vigor, with no sign of mildew or spot.—"American Notes," in Gardener's Chronicle, London.

You will find something worth reading on every page of HORTICULTURE.

**BOSTON'S BEST**

In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

**BOSTON**

and all

**NEW ENGLAND POINTS**

**THOS. F. CALVIN**

124 Tremont St., Boston

**TRANSFER**

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.

## NIESSEN American Beauty Roses

New Crop—Extra Choice  
SUMMER PRICES

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.  
After June 27th Store closes 6 p. m.



QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

**KAISERINS** Extra Fine  
\$6.00 to \$8.00 per 100

**BRIDES, BRIDESMAIDS** New Crop  
\$3.00 to \$5.00 per 100

**KILLARNEY** New Cr p  
\$5.00 to \$6.00 per 100

**SPECIAL SPHAGNUM MOSS**  
5 bbl. bales at \$2.50 per bale.  
5-5 bbl. bales for \$10.00.

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
46-47-49 WABASH AVE., CHICAGO

## ASTERS

The second early crop is excellent quality

**W. E. McKISSICK** WHOLESALE FLORIST  
PHILADELPHIA

1619-1621 RANSTEAD ST.

## J. B. Murdoch & Co.

Wholesale Florists  
FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.  
Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

**WHOLESALE FLORISTS and SUPPLIES**

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

## E. A. BEAVEN

**Southern Wild Smilax, Log Mosses,**

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

## ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 38

In ordering goods please add "I saw it in HORTICULTURE."

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## AMERICAN BEAUTY and all other ROSES

LILY OF THE VALLEY, CARNATIONS

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Aug. 18	TWIN CITIES Aug. 18	PHILA. Aug. 18	BOSTON Aug. 20
<b>ROSES</b>				
Am. Beauty, Fancy and Special..	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
"    Extra.....	20.00 to 25.00	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00
"    No. 1.....	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00
"    Lower grades.....	5.00 to 10.00	6.00 to 8.00	5.00 to 8.00	1.00 to 4.00
Bride, "Maid, Fancy & Special.....	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	3.00 to 4.00
"    Lower grades.....	2.00 to 4.00	3.00 to 6.00	1.00 to 3.00	.25 to 1.00
Killarney, Richmond, Fan. & Sp.....	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
"    Lower grades.....	2.00 to 4.00	3.00 to 6.00	1.00 to 3.00	.50 to 4.00
Kaiserin, Carnot.....	4.00 to 6.00	3.00 to 7.00	1.00 to 6.00	.50 to 6.00
Golden Gate, Chateaufort, etc.....	4.00 to 6.00	3.00 to 7.00	1.00 to 5.00	.50 to 4.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	1.50 to 2.00	1.00 to 1.50	..... to .....	1.00 to 2.00
Ordinary.....	.75 to 1.00	.50 to 1.00	1.00 to 2.00	.25 to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	45.00 to 50.00	60.00 to 75.00	40.00 to 50.00
Lilies.....	5.00 to 8.00	3.00 to 15.00	10.00 to 12.00	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	4.00 to .....	2.00 to 4.00	2.00 to 3.00
Asters.....	.75 to .50	.75 to 2.00	.50 to 2.00	.50 to 1.00
Gladioli.....	2.00 to 5.00	2.00 to 6.00	2.00 to 4.00	2.00 to 3.00
Sweet Peas.....	.10 to .25	.25 to .50	..... to .50	.10 to .25
Adiantum.....	.75 to 1.00	1.00 to 1.50	..... to 1.00	1.00 to 1.50
Smilax.....	6.00 to 10.00	10.00 to 15.00	15.00 to 20.00	10.00 to 18.00
Asparagus Plumosus, strings.....	35.00 to 50.00	35.00 to 50.00	..... to 50.00	25.00 to 50.00
"    " & Spren. (100 bchs.)	25.00 to 35.00	35.00 to 50.00	35.00 to 50.00	15.00 to 30.00

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.  
Roses and Carnations A Specialty...

## Wholesale Grower of CUT FLOWERS

Prices Quoted in these Columns are for Dealers Only.

When Writing to Advertisers Please Mention

HORTICULTURE.

**A**S in the past, so in the future we will do our share in upholding the fame of Philadelphia as the reliable center for quality and service in flowers. When you think of ordering flowers from Philadelphia, remember:

**BERGER BROS.**

**Wholesale Florists**

**1305 Filbert St., Philadelphia**

**Anything of Value**

to the profession

**CAN BE SOLD**

through advertising in

**Horticulture**

## FLOWER MARKET REPORTS

**BOSTON** There is little change in conditions. Plenty of small roses are to be had;

the young plants under the influence of the hot weather yielding abundantly. Beauties are coming in in good supply and are of good quality. Lily of the valley is in fairly good demand, at a price really too low for such excellent stock. Sweet peas have been practically destroyed by the severe storms and there will be no good stock until the new crop comes in. New carnations of fairly good quality but short stems are arriving. Asters are abundant.

**BUFFALO** Trade is practically at a standstill. The flower buyers must all be away

at the present time, but the market is well stocked and most everything that is needed can be had at short notice. Gladioli seem to remain on the counters especially the mixed varieties; the same with asters of poor quality; select stock of the latter have sold readily but they are not dependable, rainy conditions and heavy wind causing much of the trouble. Beauties and select roses have had a fair demand but there is too much short stock which don't move at any price. Lily of the valley has a little better demand.

**CHICAGO** The long drouth was relieved by two heavy rain storms during the last

week. The growers find their soft-wooded plants are injured by the rain and beating wind as well as by the hot wave that is following. Market conditions are much the same in the case of indoor flowers. Roses are up to the average for August and carnations are in most part poor, but the injury of the outdoor stock makes better demand for indoor material.

**NEW YORK** Business here remains at a standstill. Stagnation prevails in

every line. The chief call is for American Beauty roses, lilies and asters. The latter are of ordinary quality only. Roses are sold for any price offered and there are far more of them than can be disposed of at any figure. If any sell it is usually the white ones. There are millions of gladioli of fine quality. Only a few dahlias thus far.

**PHILADELPHIA** Trading the past week was rather erratic, but on

the whole a fair average for the season. Beauty roses sold well, some of the new crop being very choice. There was also a fair supply of good Kaisersins, and these led the market in whites. Killarneys from cut back plants were fine as a rule, and sold better than Bridesmaids. But the poor Killarneys hung fire. Red roses are still an unsatisfactory proposition, being short-stemmed and not very double. Lily of the valley is a good seller and excellent quality. Very good indoor grown asters are arriving and find ready takers, but the bulk of the aster cut is short-stemmed and poor. Gladioli, especially the light colored like America, are in good supply and going freely. Hydrangea and other hardy outdoor subjects are very plentiful and not in demand. A little early cosmos is seen, for which there is a limited call. Orchids are in lively demand and still scarce. The smilax and plumosus supplies are far too plentiful. Growers should leave the strings uncut during the dull season. They will wither up of course, but the plant is strengthened for the time when prices and demand are better. Nelumbiums and nymphaeas are brilliant and conspicuous and have a bright particular spot all to themselves.

### PHILADELPHIA NOTES.

Our brave boys got an early start Monday morning for the convention headed by Commodore Jno. Westcott who had not neglected the buffet department on the special cars so that everybody must have had a good time and if anyone went hungry or thirsty it was their own fault.

Robert Kift was so busy that it was touch and go whether he would get aboard with his consignment of new and interesting adjuncts for the retail florist. We understand his new globe glasses for natural plants are the most practical and up-to-date that have yet been offered.

Charles E. Meehan of the Pennock-Meehan Co., owing to train schedules from Ocean City to Philadelphia had to go with a few others later on the Lehigh Valley route.

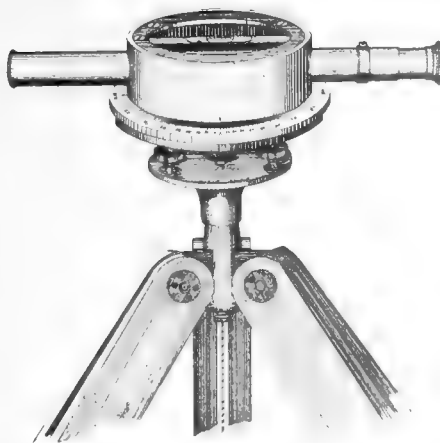
E. J. Fancourt of the Pennock-Meehan Co. went on Saturday night on account of their large exhibit to be got ready. Their new diamond weave lustrous ribbon and the new Faillentine were among his pet novelties.

D. T. Connor of the Lord & Burnham Co. did not start until Thursday night.

Edwin Lonsdale threw dull care to the winds and went along.

All told there was a very good delegation from Philadelphia and we are sure they will have made themselves heard one way or another at the great convention.

## Park, Cemetery and Landscape Gardening



cannot be properly done without a dependable leveling instrument. There is nothing on the market which approaches

**BOSTROM'S IMPROVED NO. 2**  
at \$15.00 and

**BOSTROM'S IMPROVED NO. 3**  
at \$25.00

for simplicity, accuracy, compactness and durability, when price is considered. The above instruments are guaranteed, 15,000 satisfied users of these Levels backing up the guarantee. Write for description.

**BOSTROM-BRADY MFG. CO.**  
139 MADISON AVE., ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**

Wholesale Commission Florist,  
 Choice Cut Flowers,  
 67 West 28th St., :: NEW YORK.  
 Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**

Richmond Roses and Rich Flowers  
 of all varieties

**JOS. S. FENRICH**

110 W. 28th Street, New York  
 Tel. 324-325 Madison Square

**Alfred H. Langjahr**

All choice cut-flowers in season. Send  
 for quotations. Correspondence with  
 shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephones 4626-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
 1463

**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York  
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES****ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

Telephone  
**JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
 and Seller of

Open from 5 a. m. to 6 p. m. Sunday  
 till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown

**CUT FLOWERS**

Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK**

34 WEST 28th STREET

PHONES. 1664--1665 MADISON SQUARE

ENOUGH SAID

**NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY**

	Last Half of Week ending Aug. 15 1908		First Half of Week beginning Aug. 17 1908			Last Half of Week ending Aug. 15 1908		First Half of Week beginning Aug. 17 1908	
<b>Roses</b>					<b>Carnations, Fancy and Novelties.</b>	1.00 to	1.50	1.50 to	2.00
Am. Beauty, fan and sp. ....	10.00 to	25.00	10.00 to	25.00	Ordinary .....	.50 to	.75	..... to	1.00
" extra .....	6.00 to	10.00	6.00 to	10.00	<b>Cattleyas</b> .....	20.00 to	30.00	20.00 to	30.00
" No. 1 .....	4.00 to	6.00	3.00 to	5.00	<b>Lilies</b> .....	4.00 to	8.00	3.00 to	6.00
" Lower grades .....	.50 to	2.00	.50 to	2.00	<b>Lily of the Valley</b> .....	1.00 to	2.00	1.00 to	2.00
Bride, 'Maid, fan and sp. ....	2.00 to	4.00	3.00 to	5.00	Asters .....	.25 to	2.00	.25 to	2.00
" lwr. grds. ....	.50 to	2.00	.50 to	2.00	<b>Gladioli</b> .....	1.00 to	3.00	1.00 to	3.00
Killarney, Richmond, fancy & spec	3.00 to	5.00	4.00 to	5.00	<b>Gardenias</b> .....	10.00 to	12.00	10.00 to	12.00
" lower grades ..	.50 to	2.00	.50 to	2.00	<b>Sweet Peas per 100 bunches</b> ..	2.00 to	4.00	2.00 to	4.00
Kaiserin, Carnot .....	.50 to	5.00	1.00 to	6.00	<b>Adiantum</b> .....	.50 to	.75	.50 to	.75
Golden Gate, Chateau, etc .....	.50 to	5.00	1.00 to	5.00	<b>Smilax</b> .....	6.00 to	10.00	10.00 to	12.00
					<b>Asparagus Plumosus, strings</b> ..	20.00 to	25.00	20.00 to	25.00
					" & Spreu. (100 bchs.)	10.00 to	20.00	10.00 to	15.00

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
 Madison Square.

New York.

**REED & KELLER**

122 West 25th St., New York

**Florists' Supplies**

We manufacture all our  
 Metal Designs, Baskets, Wire Work & Novelties  
 and are dealers in  
 Glassware Decorative Greens and Florists' Requisites

**TRAENDLY & SCHENCK****WHOLESALE FLORISTS**

Furnish best stock at fair prices all the year round Send for quotations on full orders

Tel. 798.799 Madison Sq.

44 West 28th Street, New York City

**MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephones 3860 Madison  
 3861

NEW YORK

**FRANK S. HICKS****Wholesale Florist.**

Open Now for Consignments of Cut Flowers.

39 West 28th Street, - New York City

Tel. 2920 Mad. Sq.



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR  
**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florists, also Dealer in  
Florists' Supplies and Wire Designs.

**383-87 ELLICOTT ST.  
BUFFALO, N. Y.**

Give us a trial. We can please you.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**  
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and  
varnished, 18x30x12, made in two sec-  
tions, one for each size letter, given  
away with first order of 500 letters

Block Letters, 1½ or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNS, \$1.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.

## WHOLESALE FLOWER MARKETS.

PER 100.  
TO DEALERS ONLY.

	CINCINNATI Aug. 19	DETROIT Aug. 19	BUFFALO Aug. 17	PITTSBURG Aug. 17
<b>ROSES</b>				
Am. Beauty, Fan. and Sp.....	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00	20.00 to 30.00
" Extra .....	15.00 to 20.00	12.00 to 15.00	10.00 to 15.00	10.50 to 15.00
" No. 1.....	8.00 to 10.00	8.00 to 12.00	6.00 to 10.00	6.00 to 10.00
" Lower grades.....	4.00 to 6.00	2.00 to 6.00	3.00 to 6.00	2.00 to 4.00
Bride, "Maid, F. & S.....	5.00 to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
" Low. gr.....	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan. & Sp.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	2.00 to 4.00
" Lower grades.....	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot.....	5.00 to 8.00	2.00 to 8.00	3.00 to 7.00	2.00 to 8.00
Golden Gate, Chateaufort, etc.....	5.00 to 8.00	2.00 to 6.00	4.00 to 5.00	3.00 to 8.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	2.00 to 3.00	..... to .....	1.50 to 2.00	..... to 1.50
Ordinary.....	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	..... to .75
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	20.00 to 35.00	40.00 to 50.00	..... to 75.00
Lilies.....	8.00 to 10.00	10.00 to 12.50	3.00 to 12.00	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asters.....	..... to .....	1.00 to 3.00	.60 to 2.00	.25 to 1.50
Gladioli.....	..... to 4.00	4.00 to 8.00	2.00 to 3.00	1.50 to 4.00
Sweet Peas.....	.50 to .75	.50 to .....	.20 to .40	..... to .....
Adiantum.....	.50 to .75	1.00 to 2.00	.50 to 1.50	..... to 1.25
Smilax.....	..... to 1.00	15.00 to 20.00	12.00 to 15.00	10.00 to 12.50
Asparagus Plumosus, strings.....	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	..... to 50.00
" & Spreng. (100 bchs.).....	..... to 25.00	40.00 to 60.00	25.00 to 50.00	40.00 to 50.00

¶ The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq. New York

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## ADIANTUM CROWEANUM

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

We have a specially fine lot of Arauca-  
rias—the plants at \$1.00 each are extra  
value for the money.

4-inch.....50 cents each  
5 ".....75 " "  
6 ".....\$1.00 each  
Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ARECAS

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumosa Robustus Seeds.  
For page see List of Advertisers.

Asparagus Plumosa, 2 in. pots. Fine  
plants, \$2.50 per 100; \$20.00 per 1000. Cash  
with order or good reference. Erie Floral  
Co., Erie, Pa., or, Wm. F. Kasting Co.,  
385 Elliott St., Buffalo, N. Y.

Asparagus Plum. nanus, strong seedlings,  
per 1000, \$10.00. Asparagus Sprenger,  
strong seedlings, per 1000, \$6.00. O. V.  
Zaagen, Hoboken, N. J.

## ASTERS AND GLADIOLI BLOOMS

Albino Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.  
For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.  
For page see List of Advertisers.  
Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

J. A. Peterson, McHenry Ave., Westwood,  
Cincinnati, O.

Begonias, Gloire de Lorraine, Agatha.  
Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1/4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

## BOILERS

ROILERS. "Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

Herendeen Mfg. Co., Geneva, N. Y.  
Furman Boilers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1133  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Cold Storage Lily of the Valley.  
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.  
For page see List of Advertisers.

H. E. Flske Seed Co., Faneuil Hall Sq.,  
Boston.

Freessias and Lily Bulbs.  
For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.

Stokes' Seed Store, Philadelphia, Pa.  
French and Dutch Bulbs.

For page see List of Advertisers.

Peter Henderson & Co., 35 and 37 Cort-  
land St., New York.

Forcing Bulbs.

W. E. Marshall & Co., 144 W. 23d St.,  
New York.

Forcing Bulbs.

Wm. Elliott & Sons, 42 Vesey St.,  
New York.

Lily Bulbs.

Lillium Canadense (both red and yellow),  
and Philadelphicum and other native bulbs.  
Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.  
Field Grown

Carnations Imperial and Pink Imperial  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.  
Field Grown Carnations.

For page see List of Advertisers.

United States Cut Flower Co.,  
Elmira, N. Y.  
Field Grown Carnations.

For page see List of Advertisers.

## CARNATIONS—Continued

Aug. Gaedeke & Co., Nashua, N. H.  
Carnations, Fair Maid, Queen, Field Grown.  
For page see List of Advertisers.

Geo. E. Buxton, Nashua, N. H.  
Field Grown Carnations.  
For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.

Field grown Enchantress, \$5.00. Cash  
with order. L. E. Marquisee, Syracuse,  
N. Y.

Bargains in Carnations. Good, healthy  
plants of Harlowarden, Queen and Boston  
Market at 4c. Extra plants to help pay  
express. G. S. Ramsburg, Somersworth,  
N. H.

Ready Now! 15,000 Fine Field Grown  
Carnations. Lawson, Fair Maid, Enchan-  
tress; \$5.00 per 100; \$40.00 per 1000. Cash  
with Order. Leonard Cousins, Jr., Concord  
Junction, Mass.

Carnation cuttings of all the leading  
varieties at the same price as any reliable  
firm. Write for prices before you look  
elsewhere. Wm. F. Kasting Co., 383  
Elliott St., Buffalo, N. Y.

Field Grown Carnation Plants—Enchan-  
tress, Rose Pink Enchantress, Queen, Fair  
Maid, H. Fenn, White, Variegated, Red,  
Light Pink and Pink Lawson. \$5.00 per  
100. R. D. Kimball, Waban, Mass.

## CATALOGUE PAPER

Geo. W. Wheelwright Paper Co.,  
95 Milk St., Boston.

## CAULIFLOWER AND CABBAGE

### SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

Francis Brill, Hempstead, N. Y.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Frank Oechlin, 2570-2606 W. Adams St.,  
Chicago, Ill.

Pot Chrysanthemums.

For page see List of Advertisers.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by  
Horticulture Publishing Co., 11 Hamilton  
Place, Boston.

## COCOS

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.

For page see List of Advertisers.

Samuel C. Moon, Morrisville, Pa.  
For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia  
For page see List of Advertisers.

Folding cut flower boxes, the best made  
Write for list. Holton & Hunkel Co., Mil-  
waukee, Wis.

## CUT ORCHIDS

James McManus, New York.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-in. pots, 4c. J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

**For List of Advertisers See Page 271**

**DAHLIAS**

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

**DECORATIVE PLANTS**

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.  
Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.  
Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Saintpaulia, Poinsettias,  
Primulas, Etc.  
For page see List of Advertisers.

**DRACAENAS**

Dracaena Indivisa and Asparagus Sprengeri, very strong, 2 in., \$2.50 per 100; \$20.00 per 1000. Dean Ferris, Peekskill, N. Y.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**EVERGREENS**

W. B. Whittier & Co., South Framingham,  
Mass.  
Southworth Bros., Beverly, Mass.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.  
John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.  
Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.  
F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.  
Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.  
Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' GREENS**

George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.  
J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.  
H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.  
M. Rice & Co., 1220 Race St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH - Continued**

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.  
Edward MacMulin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.  
H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2159-2141 Broadway,  
New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.  
Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.  
A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.  
Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.  
Red pots, seed pans, etc.  
The Peters & Reed Pottery Co.,  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.  
For page see List of Advertisers.  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

John Lewis Childs, Floral Park, N. Y.  
For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.  
Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.  
Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.  
S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.  
For page see List of Advertisers.

**GLASS - Continued**

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.  
Parshelsky Bros., 59 Montrose Ave.,  
Brooklyn, N. Y.  
Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.  
GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
A. T. Stearns Lumber Co., Neponset,  
Boston.  
For page see List of Advertisers.  
King Construction Co., N. Tonawanda,  
New York.  
For page see List of Advertisers.  
J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.  
For page see List of Advertisers.  
Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
For page see List of Advertisers.  
S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.  
For page see List of Advertisers.  
Metropolitan Material Co., 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.  
J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.  
I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.  
The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

Anchor grade wears well.  
Mineralized Rubber Co., New York, N. Y.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
improved V Shaped Gutter with drip  
gutter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Assn. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

## HARDY FERNS AND SUPPLIES — Continued

Michigan Cut Flower Exchange,  
88 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

## HEATING APPARATUS

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.  
Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## HELP FURNISHED

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.  
**HERBACEOUS PERENNIALS**  
Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.  
P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

## HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset,  
Mass.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

## HYDRANGEAS.

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

## INSECTICIDES.

Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.  
Stump & Walter Co., 50 Barclay St.,  
New York.  
Kilmdead Tobacco Dust.  
For page see List of Advertisers.

## IRIS

T. C. Thurlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.  
Ellwanger & Barry, Rochester, N. Y.

## JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,  
New York.  
For page see List of Advertisers.

## KENTIAS

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.  
A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.  
The Storrs Harrison Co., Plainville, O.  
For page see List of Advertisers.  
Harry A. Droer, 714 Chestnut St., Phila.  
For page see List of Advertisers.  
J. Roehrs & Co., Rutherford, N. J.  
Belmoreana and Forsteriana  
For page see List of Advertisers.

	Each	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.		

## MASTICA

F. O. Pierce Co., 12 W. Broadway,  
New York.  
For page see List of Advertisers.

## MUSHROOM SPAWN

Use Anglo-American Mushroom Spawn  
made "Direct From Spores." Write for  
pamphlet. Anglo-American Spawn Co.,  
Kennett Square, Pa.

## MYRTLE

Myrtle for cemetery planting, strong  
field grown clumps, \$2.00 per 100, or \$17.50  
per 1000. Geo. A. Dhonau, East Walnut  
Hill's, Cincinnati, O.

## NEW AND RARE PLANTS

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

## NICO-FUME

Kentucky Tobacco Product Co.,  
Louisville, Ky.

## NURSERY STOCK

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.  
Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental  
Trees.  
For page see List of Advertisers.  
Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.  
P. Ouwerkerk, 216 Jane St., Weehawken  
Heights, N. J.  
Holland Nursery Stock for Forcing.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway, New  
York, N. Y.

## ORCHID BASKETS

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.  
For page see List of Advertisers.

## ORCHID PLANTS

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.  
Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.  
Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.  
Ordenez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.  
Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.  
For page see List of Advertisers.  
Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

## PALMS

A. Leuthy & Co., Perkins St. Nurseries  
Roslindale, Mass.  
For page see List of Advertisers.  
Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

## PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse  
lead: Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

## PATENTS

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

## PEAT

Orchid peat, Rotted peat, Azalea peat.  
Leaf-Mould, Live Sphagnum moss, Baled  
Sphagnum moss, Green Clump moss, etc.  
Jobbers' list on application. C. W. Brown-  
ell & Co., Walden, N. Y.

Wm. Mathews, Utica, N. Y.  
Orchid Peat.  
For page see List of Advertisers.  
J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.  
For page see List of Advertisers.

## PEONIES

T. C. Thurlow & Co., W. Newbury, Mass.  
New Peony Catalogue.  
For page see List of Advertisers.  
Ellwanger & Barry, Rochester, N. Y.  
Wholesale Peony list for fall 1908 is now  
ready. J. F. Rosenfield, West Point, Neb.  
One of the finest collections in America.  
Send 25 cts. in stamps for new edition of  
Peony Manual. C. S. Harrison's Select  
Nursery, York, Neb.

PEONIES, Humel, a beautiful pink, \$6  
per 100. Ivory, fine white, \$8 per 100.  
Write for our catalogue of novelties. Wag-  
ner Park Conservatories, Sidney, Ohio.

Peonies. Newest of the new, and the  
standard old varieties. Send for catalog.  
George Hollis, 128 Hollis St., South Wey-  
mouth, Mass.

Peonies, Iris and Phlox. A new cata-  
logue with cultural directions. Cherry  
Hill Nurseries, West Newbury, Mass.

## PHLOXES

T. C. Thurlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.  
Send 25 cts. in stamps for Phlox Manual.  
Fine mixed phloxes \$1.50 per 100. C. S.  
Harrison's Select Nursery, York, Neb.  
Ellwanger & Barry, Rochester, N. Y.

## PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and  
26th St., Chicago, Ill.  
For page see List of Advertisers.  
Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and  
Wrought Pipe, Valves, Elbows, Pipe Hooks,  
Automatic Air Headers, etc. Lord &  
Burnham, 1133 Broadway, N. Y.

## PLANT BED CLOTH

Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

## POINSETTIAS

Louis Schmutz, 131 Clarkson St.,  
Brooklyn, N. Y.

## POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.  
\$1.25 by mail. I. N. Kramer & Son, Cedar  
Rapids, Ia.

## RAFFIA

Raffia (colored), 20 beautiful shades.  
Samples free. R. H. Comey Co., Camden,  
N. J.; 810 Washburn Ave., Chicago, Ill.

## RETAIL FLORISTS

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.  
Edward MacMulklin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.

**For List of Advertisers See Page 271**

**RETAIL FLORISTS—Continued**

- Fred C. Weber**, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres**, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons**, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell**, New York.  
For page see List of Advertisers.
- Robert G. Wilson**, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent**, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop**, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.
- Pennock Bros.**, 1514 Chestnut St., Phila.

**RHODODENDRONS**

- John Waterer & Sons, Ltd.**, American Nursery, Bagshot, England.  
For page see List of Advertisers.

- P. Ouwerkerk**, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

- Bay State Nurseries**, N. Abington, Mass.  
For page see List of Advertisers.
- Robert Craig Co.**, Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- Dingee-Conard Co.**, West Grove, Pa.  
For page see List of Advertisers.
- The E. G. Hill Co.**, Richmond, Ind. Bride and 'Maid.  
For page see List of Advertisers.
- Poehlmann Bros. Co.**, Morton Grove, Ill. Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.
- P. Ouwerkerk**, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- Wood Bros.**, Fishkill, N. Y. Grafted Roses, Own Roots.  
For page see List of Advertisers.
- Worcester Conservatories**, Worcester, Mass. Grafted Bride and Carnot Roses.  
For page see List of Advertisers.
- Low-budded roses**, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

**SCALECIDE**

- B. G. Pratt Co.**, 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

- T. J. Grey Co.**, 32 So. Market St., Boston, Mass.  
For page see List of Advertisers.
- Joseph Breck & Sons**, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Atlee Burpee & Co.**, Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co.**, 33 Barclay St., N. Y.  
For page see List of Advertisers.
- Arthur T. Boddington**, 342 W. 14th St., New York.  
Boddington's Challenge Pansy, also Sweet Peas for Thanksgiving and Christmas.  
For page see List of Advertisers.
- H. F. Michell Co.**, 1017 Market St., Phila. Pansy Seed.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co.**, 12 Stormgade, Copenhagen, Denmark. Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Bickards Bros.**, 37 E. 19th St., New York.  
For page see List of Advertisers.
- B. & J. Farquhar & Co.**, 6-7 So. Market St., Boston.  
Choice Cyclamen Seed.
- Braslan Seed Growers Co.**, San Jose Cal.  
For page see List of Advertisers.
- H. E. Fiske Seed Co.**, Faneuil Hall Sq., Boston.  
For page see List of Advertisers.
- O. V. Zangen**, Hoboken, N. J.  
For page see List of Advertisers.

**SEEDS—Continued**

- W. E. Marshall & Co.**, 144 W. 23rd St., New York.  
Seeds for Fall Sowing.
- Stokes' Seed Store**, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.  
For page see List of Advertisers.
- C. C. Morse & Co.**, 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.
- Schelegel & Fottler Co.**, Boston. Mignonette, Pansy Seeds.  
For page see List of Advertisers.
- Skidelsky & Irwin Co.**, 144 N. 7th St., Philadelphia.  
For page see List of Advertisers.

**SPHAGNUM MOSS**

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

**SPRAYERS**

- "SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

- E. Hippard**, Youngstown, O.

**STRAWBERRY PLANTS**

- R. & J. Farquhar & Co.**, 6 and 7 So. Market St., Boston. Pot-Grown.  
For page see List of Advertisers.

**SULFUR BURNER**

- Benj. Dorrance**, Rose Growers, Dorranceton, Pa.

**SWEET PEAS**

- A. C. Zvolanek**, Round Brook, N. J. Winter Flowering.  
For page see List of Advertisers.
- W. Atlee Burpee & Co.**, Philadelphia. Earliest White.

**TO-BAK-INE**

- E. H. Hunt**, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

- Pierson U-Bar Co.**, 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co.**, Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- John A. Payne**, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- The Advance Co.**, Richmond, Ind.  
For page see List of Advertisers.
- Quaker City Machine Co.**, Richmond, Ind. 20th Century Ventilating Arm.  
For page see List of Advertisers.

**VENTILATING MACHINERY**, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

**VIOLETS.**

How to Make Money Growing Violets, will be sent postpaid for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Commercial Violet Culture, by B. T. Galloway, sent postpaid for \$1.50, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**WIRED TOOTHPICKS**

- W. J. Cowee**, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWOK**

- Reed & Keller**, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Welgel & Ujfalussy**, 136-138 W. 25th St., New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework**. Write for our catalogue. **Holton & Hunkel Co.**, Milwaukee, Wis.  
William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.  
Headquarters for wire work. Send for list. **Ball & Betz**, 31 E. 3rd St., Cincinnati, O.

**WHOLESALE FLORISTS****Boston**

- N. F. McCarthy & Co.**, 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co.**, 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros.**, 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Buffalo**

- Wm. F. Kasting Co.**, 383-87 Ellcott St., Buffalo, N. Y.  
For page see List of Advertisers.

**Chicago**

- Chas. W. McKellar**, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg**, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co.**, 35-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Budlong**, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

- Michigan Cut Flower Exchange**, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

- Bice Bros.**, 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

**New York**

- J. S. Fenrich**, 110 W. 28th St., New York.  
For page see List of Advertisers.
- Ford Bros.**, 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment**, 57 W. 26th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman**, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan**, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr**, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus**, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor**, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan**, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck**, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash**, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Frank S. Hicks**, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler**, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler**, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- A. Moltz**, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros.**, 41 W. 28th St., New York.  
For page see List of Advertisers.

**Philadelphia**

- W. E. McKissick**, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co.**, 1200 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co.**, 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.
- Berger Bros.**, 1205 Filbert St., Philadelphia.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**WHOLESALE FLORISTS—****Continued****Pittsburg**

**J. B. Murdoch & Co.,** 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

**St. Louis**

**H. G. Berning,** 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

**Samuel A. Woodrow,** 53 W. 30th St., New York.  
For page see List of Advertisers.

**WILD SMILAX**

**E. A. Beaven,** Evergreen, Ala.  
**Southern Wild Smilax: Log Mosses.**  
For page see List of Advertisers.

**New Offers in This Issue.****CARNATIONS, FIELD GROWN.**

**Alfred N. Eaton,** So. Sudbury, Mass.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS.**

Exhibition at Horticultural Hall, Boston.  
**John Lewis Childs,** Floral Park, N. Y.  
For page see List of Advertisers.

**HARDY GARDEN CARNATION SEED.**

**O. V. Zangen,** Hoboken, N. J.  
For page see List of Advertisers.

**HIGHEST AWARDS AT S. A. F. TRADE EXHIBIT.**

**King Construction Co.,** N. Tonawanda, N. Y.  
For page see List of Advertisers.

**SASH BAR HINGE.**

**John C. Moninger Co.,** 117 E. Blackhawk Street, Chicago.  
For page see List of Advertisers.

**SWEET PEA SEED.**

**H. F. Michell Co.,** 1018 Market Street, Philadelphia.  
For page see List of Advertisers.

**USEFUL BOOKS.**

We can supply the following books, postpaid, at the prices listed:—

**The Chrysanthemum.** Herrington. Price, 50 cts.

**How to Make Money Growing Violets.** Saltford. Price, 25 cts.

**Daffodils-Narcissus and How to Grow Them.** A. M. Kirby. Price, \$1.10.

**Commercial Violet Culture.** Dr. B. T. Galloway. Price, \$1.50.

**Water Gardening.** Peter Bisset. Price, \$2.50.

**Lawns and How to Make Them.** Leonard Barron. Price, \$1.10.

**HORTICULTURE PUB. CO.,**  
11 Hamilton Place, BOSTON

**ROSES IN COLORADO.**

A paper by J. A. Valentine of Denver, Colo., before the American Rose Society.

(Continued from Page 267)

**Present Market Conditions in Denver.**

Just at present in Denver the supply of cut flowers is decidedly in excess of the demand. This is apt to be true with us for a short time in the fall and again in the spring, but during the rest of the year the supply and demand seem pretty well balanced. There was a time when a great many roses were shipped to Colorado by eastern growers, but I believe that practically none are shipped in now.

The people of Colorado as a class are what may be termed "good spenders", but not in the way that seems to be generally imagined. There are very few instances of the lucky miner with more money than he knows what to do with. They generally buy what they have use for, and are willing to pay a fair price for it, but it is a mistake to suppose that they are disposed to throw their money away. On the other hand what is commonly known as "shopping" or "haggling" for the sake of getting a small reduction in the price is not very much practiced.

The prices which are obtainable in the Denver market are never as high as the highest prices obtainable in the Chicago market, especially at Christmas, but prices are more even the year through, and a considerable part of the retail trade is supplied under contract, where the prices are fixed in advance. No one has ever made a success of a wholesale commission house in Denver, and it looks as though such an enterprise could not be a success until there is room for two such concerns, for it is hard to get the growers to place confidence in a man who has no competition.

**A Bit of History.**

As nearly as I can determine, the forcing of roses in Colorado only dates back to 1873, when Gus Opitz grew a dozen plants or so. The following year Rushmore & Son planted Hermosa, Isabelle Sprunt, Safrano and

Lamarque, all in a house about fifty feet long.

I have sent out numerous inquiries, and using the replies received as a basis, I estimate that the florists of the State are at present forcing about 35,000 Beauties, 30,000 Brides, 20,000 each of Bridesmaids, Chatenay and Richmond, and 10,000 other roses, including Roosevelt, Killarney, Perle, Kaiserin and Moulton. It is interesting to note that not a single concern reported any Liberty, and that rose seems to have been completely supplanted by Richmond.

The retail business in the State probably approximates \$650,000 per annum, or \$1.00 for each inhabitant. I would not like to venture an estimate of the amount of wholesale business done with adjoining states, but it is considerable. These figures must seem absurdly small to Chicago florists who are accustomed to places with a million feet of glass under one management; but some day the men who have grown rich in Chicago will make their homes in Colorado, where summer and winter are alike delightful, and we in our turn will build large places and get rich catering to their wants.

**Looking to the Future.**

Just at present there does not seem to be any opening for increased areas of glass in the vicinity of Denver, but there are doubtless a number of small towns in the State where a florist could start in a modest way and gradually build up a business which would be fairly remunerative. Such a man would do well to work a year for some established concern where he could observe the methods practiced, and he could then start for himself with less risk of costly mistakes. If success came slowly he would find some compensation in the joy of living among a warm-hearted and generous people, in a glorious climate with noble mountains in view, whose charm would ever increase. What better can any country offer than moderate financial success in such an environment?

This paper would not be complete without some reference to the present financial condition, and I am glad to be able to say that in Colorado the recent depression has not made any appreciable difference in the business. It may be that it is yet too early for us to feel the bad effects from the late panic, and there may still be for us a day of reckoning, but like all others, we are glad to put off the evil day as long as possible.

The nineteenth annual banquet given under the will of the late Henry Shaw by the directors of the Missouri Botanical Garden to gardeners, florists and nurserymen took place on August 12 at the Mercantile Club, St. Louis. The American Apple Growers' Congress convened there on Tuesday and Wednesday and all the delegates were invited guests. A fine orchestra played and the floral decorations by Dunford were greatly admired. William Trelease acted as toastmaster and among the speakers were George T. Lincoln, N. J. Coleman, L. A. Goodman and Otto Opperman. There was a large attendance and the evening was very enjoyable.

**READY NOW**

**PTERIS TRETULA and PTERIS ARGYREA**  
Strong 2½ inch pot plants, \$2.50 per 100, \$20.00 per 1000.

**ADIANTUM CROWEANUM**  
Beautiful 3 in. h. pot plants, fine for cutting, pot sales or dividing, \$3 per doz., \$35 per 100.

**ARACARIAS**  
Never had a better lot. 4 in. pot plants, 6 in. high, 15; 5 in. h. pot plants, 12 inches high, 2 tiers, 6 c.; 7 in. h. pot plants, 14 in. high, 3 and 4 tiers, 7 c.; 8 in. h. pot plants, 16 inches high, 4 tiers, \$1.

**PRINULA SINENSIS**  
Fine strain. 2½ inch pots, \$3 per 100.

**PANDANUS UTILIS**  
2½ inch pots, \$1 per 100; 4 inch pots, \$1.50 per 100.

**SAINTPAULIA IONANTHA**  
(African Violet) etc. Grand pot plant. Strong 3 inch stock, \$10 per 100.

**FICUS ELASTICA**  
4 inch pot, 10 to 12 inches high, \$25 per 100; 5 inch pots, 20 inches high, \$50 per 100.

**KENTIA BELTAREANA**  
2½ inch pot plants for centers of ferneries, \$7 per 100.

**THE STORRS & HARRISON CO.,**

**PAINESVILLE, OHIO**



## List of Advertisers

Page	Page
Advance, The Co. . . 274	Manda Jos. A. . . 242
Altimo Culture Co. . . 244	MacMullin E. A. . . 261
American Nursery . . 255	Mathews Wm. . . 242
Aschmann G. . . 22	McCarthy N. F. & Co. . 265
Atlanta Floral Co. . . 260	McConnell Alex. . . 270
Bambrick Thos. H. . . 271	McKellar Charles W. . 212
Barrows H. H. & Son . 242	McKissick, W. E. . . 212
Bayersdorfer H. & Co. 261	McManus Jas. . . 274
Bay State Nurseries . . 255	Meyer J. C. & Co. . . 212
Beaven E. A. . . 262	Michell H. F. Co. . 256-272
Berger Bros. . . 263	Michigan Cut Flower
Bernine H. G. . . 263	Exchange . . . 265
Boddington A. T. . . 244-256-257	Midgley L. C. . . 245
Boston Florist Letter	Milling Bros. . . 264
Co. . . 265	Moninger J. C. . . 275
Boston Plate and Win-	Moon Samuel C. . . 255
dow Glass Co. . . 273	Moore, Henry & Nash . 264
Bosch, Felix . . . 244	Morse C. C. & Co. . . 257
Bostrom-Eracy Mig.	Murdoch J. B. & Co. . 262
Co. . . 263	Murray Samuel . . 260
Braslan Seed Growers	Niessen Leo Co. . . 262
Co. . . 257	Oechslein Frank . . 214
Breck Joseph & Sons . 217	Ordonez Bros. . . 242
Breitmeier's J. Sons . 260	Ouwkerk P. . . 255
Bridgeman's Seed	Paletthorpe P. R. Co. . 272
Warehouse . . . 257	Park Floral Co. . . 260
Brill Francis . . . 257	Payne John A. . . 272
Budlong J. A. . . 262	Pennock-Meehan Co. . 262
Burpee W. A. & Co. . 257	Perkins St. Nurseries . 242
Buxton Geo. E. . . 245	Pierce F. O. Co. . . 273
Carrillo & Baldwin . . 242	Pierson, A. N. . . 244
Cassidy I. . . . 274	Pierson F. R. Co. . . 246
Castle Co. . . . 273	Pier-on U Bar Co. . . 275
Chicago Carnation	Piehlman Bros. Co. . 245
Co. . . . 245	Pratt B. G. . . . 272
Childs John Lewis . . 245	Pulverized Manure Co. 242
Clarke's David, Sons . 260	Quaker City Machine
Clary's Horticultural	Co. . . . 273
Co. . . . 255	Raynor John I. . . 264
Cotsonas Geo. & Co. . 265	Reed & Keller . . . 264
Cowee W. J. . . . 265	Reinberg Peter . . . 262
Craig, Robt. Co. . . 244	Reuter S. J. & Son
Dale Estate . . . . 271	Inc. . . . 245
Dingee & Conard Co. . 245	Rice Bros. . . . 262
Doane Geo. B. & Son . 274	Rice M. H. & Co. . . 261
Dorner F. Sons & Co. . 245	Rickards Bros. . . 257
Dreer H. A. . . . 243-273	Robinson H. M. & Co . 265
Dunlop John H. . . 260	Rock Wm. L. Flo. Co. . 260
Dysart R. J. . . . 262	Roehrs Julius Co. . 242
Eaton Alfred N. . . 245	Roper Albert . . . 245
Edwards Folding Box	Roland, Thomas . . 244
Co. . . . 262	Rolker August & Sons . 273
Elliot Wm & Sons . . 257	Rose Hill Nurseries . 242
Elm City Nursery Co. . 255	Sander & Son . . . 242
Esler J. G. . . . 273	Schlegel & Fottler Co. 257
Ernest W. H. . . . 273	Schulz Jacob . . . 260
Eyres . . . . 260	Scott, John . . . 242
Farquhar R. & J. & Co. 246	Sharp, Partridge & Co . 273
Fenrich J. S. . . . 264	Sheridan W. F. . . 264
Fiske, H. E. Seed Co. . 257-272	Siggers & Siggers . . 274
Foley Mig. Co. . . . 274	Situations & Wants . 271
Ford Bros. . . . 264	Skidel & Ira in Co. . 257
Froment H. E. . . . 264	Smyth Wm. J. . . 260
Gaedeke August & Co. 245	Standard Plate Glass
Galvin Thos. F. . . . 261	Co. . . . 273
Grey T. J. Co. . . . 257	Stearns A. T. Lumber
Gude Bros. Co. . . . 260	Co. . . . 274
Guttman Alex. J. . . 264	Stokes Seed Co. . . 244
Hall Asso. . . . 273	Storrs & Harrison Co . 270
Haines, J. E. . . . 245	Stumpp & Walter Co. . 272
Hartmann Hjalmar &	Thorburn J. M. & Co. . 257
Co. . . . 257	Thurlew T. Co. . . 244
Hauswirth M. C. & J. E. 246	Totty Chas. H. . . . 245
Heacock Joseph . . 246	Traendly & Schenck . 264
Herbert David & Son . 255	United States Cut
Hews A. H. & Co. . . 272	Flower Co. . . . 245
Hicks Frank S. . . . 264	Valentine, J. A. . . 260
Hilfinger Bros. . . . 273	Velthuys K. . . . 244
Hill, The E. G. Co. . . 245	Vincent R. Jr. & Sons . 244
Horan E. C. . . . 264	Waterer John & Sons . 255
Houghton & Clark . . 260	Weathered Co. . . . 275
Hunt E. H. . . . 272	Weber F. C. . . . 260
Jacobs S. & Sons . . 274	Welch Bros. . . . 262
Kasting W. F. Co. . . 265	Weigel & Uffalussy . 265
Kessler, P. F. . . . 264	Wilson . . . . 260
King Cons. Co. . . . 273	Winterson, E. F. Co. . 262
Kroeschell Bros. Co. . 274	Winthold Geo. Co. . . 260
Kuebler Wm H. . . . 265	Wood Bros. . . . 245
Lager & Hurrell . . . 242	Woodrow, Sam'l A. . . 265
Langjahr, Alfred H. . 264	Worcester Conserva-
Leuthy A. & Co. . . . 242	tories . . . . 245
Lord & Burnham Co. . 276	Yokohama Nursery Co. 244
Lutton W. H. . . . 274	Young & Nugent . . 265
	Zangen O. V. . . . 245
	Zinn Julius A. . . . 271
	Zvolanek A. C. . . . 257

## NEWS NOTES.

James Bonnyman of Warwick, N. Y., suffered a heavy loss by hail early this month.

The contract for the new greenhouses at Pine Grove Cemetery, Whitinsville, Mass., has been let to John A. Payne of Jersey City.

In the hands of the new owners Alex. Mitchell and C. E. Hurlburt, the Mitchell plant at Beverly, Mass., is being remodelled and fitted with up-to-date equipments.

The new officers of the Inter-Mountain Nursery Co., Brigham, Utah, are, President, T. F. Troxell; vice-president, B. Nelson; secretary and treasurer, E. M. Lyons.

For stringing smilax or asparagus, for tying up chrysanthemums and other plants requiring training or stakes, no substitute has ever been put out that could quite take the place of Silkline, and there is probably more Silkline sold for florists' use than all other material together. J. C. Meyer & Co., who manufacture Silkline, have recently erected new mills on the banks of the Merrimac River at Lowell, Mass., with a very large capacity for the manufacture of sewing threads and spool silks.

From a letter just received from A. Leuthy who is at present making a business trip through the European ornamental plant districts we learn that the Ghent azalea fields give promise of an enormous stock this season. There are forty to fifty buyers on the ground including John Bader from Pittsburg and Mr. Eisele of Dreer's. Azaleas are very fine this year and prices are about as usual but palms are quoted very high in all desirable sizes and find a ready European market at those prices. The stock of Kentias is not so large as in former years. Other decorative stock generally is about the same as in other years in quantity and price.

## GREENHOUSES BUILDING OR CONTEMPLATED.

Amelia, O.—C. C. Pommert, one house.

Cliftondale, Mass.—Wm. Sim, house 43x200.

Quincy, Ill.—F. J. Kroner, range of houses.

Essex, Mass.—C. G. Cheney, conservatory.

Toronto, Can.—Sligater & Sons, range of houses.

Glastonbury, Conn.—J. R. Morgan & Son, additions.

Winona, Minn.—Woodlawn Cemetery, improvements.

Davenport, Ia.—Central Park, three houses, one 10x100, two 18x100 each.

Manchester, Conn.—H. A. Norton, vegetable house, 30x65; Dr. John North, vegetable house, 30x65.

Providence, R. I.—Mrs. G. O. Westcott, house 25x80; E. McCarren, conservatory.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## WANTED Immediately

First class American Beauty Grower

DALE ESTATE, Brampton, Canada

WANTED.—At once, an assistant rose grower in American Beauty house near New York. Address, with experience and wages expected, Y. Y., care HORTICULTURE.

## SITUATIONS WANTED

WANTED SITUATION.—As forester or park foreman. Good references. Address B, care HORTICULTURE, 11 Hamilton Place, Boston.

WANTED.—Young men for greenhouses. Must understand steam. References and wages in first letter. Frank Hill, 541 East Avenue, Pawtucket, R. I.

## FOR SALE

FOR SALE.—A No. 16 Hitching boiler used only two seasons. Being removed to make room for larger boiler. Apply to Edmund Reardon, Cambridge, Mass.

FOR SALE.—About 4000 feet of 4-in. boiler tubes at 6c. per foot, and 2000 feet of 4 in. cast-iron pipe at 7c. per foot. All guaranteed to be in first-class condition. Joseph Labo, Joliet, Ill.

FOR SALE.—Florist business, store and greenhouse in progressive city near New York. Full particulars on application. Address W. W., care of HORTICULTURE, 11 Hamilton Place, Boston.

FOR SALE.—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

FOR SALE.—Special—Glass for sale below cost. 16x24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parschelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

## FOR LEASE

FOR LEASE.—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

FOR LEASE.—Lord & Burnham Iron House 60 by 160 within Boston city limits, all in good condition. Has been used for carnations for past four years. Also will sell gold carnation plants for planting the benches. Address C. C., care HORTICULTURE Boston.

## MISCELLANEOUS WANTS

## WANTED

Wanted—Winsor and Beaton Carnation plants, stocky and field grown. Address J. J. Newman & Sons Corp., 201 State St., Boston.

Is Your Name In The Above List? If Not, Why Not?

# FLORISTS' HAIL ASSOCIATION OF AMERICA.

## Summary of Secretary's Report for Year Ending August 1st, 1908.

The Florists' Hail Association of America consists of 1520 members associated together for mutual protection, and insuring glass at the present time amounting to 29,093,556 square feet.

The total receipts for the year ending Aug. 1st, 1908, as per Treasurer's report, have been \$22,573.79.

The total expenditures as per Treasurer's report, have been \$25,722.49.

The cash balance at the close of the year is \$21,148.24, all of which belongs to the emergency fund.

138 losses representing a breakage of 133,119 sq. ft. of single thick glass, and 113,808 sq. ft. of double thick glass have been paid during the year.

1230 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$125,000.

The 10 per cent. assessment on hazardous risks netted the treasury \$42.37.

The only liabilities of the Association are a few small losses, proofs of which have not yet been filed with the Secretary.

During the late financial disturbance your finance committee sold a 3 per cent. \$500 U. S. Government bond at a small premium, and by borrowing from the emergency fund, purchased three \$1000 four and four one-half per cent. bonds, at par. These bonds are today worth in the open market \$30 each more than was paid for them. The amount borrowed from the emergency fund, except \$217.77, has been restored to that fund and the deficiency is more than covered by accrued interest on bonds.

The largest amount ever expended in a fiscal year has been paid for glass broken during the year ending Aug. 1st, 1908, a large percentage of which went to the Trans-Mississippi States, in which section the weather has been unusually erratic this season.

A large quantity of uninsured glass was broken at Indianapolis, Indiana, last Spring, the F. H. A. escaping with the payment of one loss.

Notwithstanding heavy losses the Association shows a largely increased reserve fund, and a handsome balance in the emergency fund.

JOHN G. ESLER, Secretary.

## Treasurer's Report.

### Recapitulation.

	Cr.
To balance on hand for Aug. 1, 1907.....	\$24,296.94
To total receipts for year ending Aug. 1, 1908...	22,573.79
	<hr/>
	\$46,870.73
	<hr/>
Cr.	
By losses paid for year ending Aug. 1, 1908.....	\$20,006.99
By expenses.....	2,614.66
By investments.....	3,050.56
Miscellaneous .....	50.28
	<hr/>
By balance on hand.....	\$46,870.73
ALBERT M. HERR, Treasurer.	
Lancaster, Pa., August 3, 1907.	
I have this day compared the ac-	

# John A. Payne

Greenhouse Designer and Builder  
260-274 Culver Ave., Jersey City, N. J.



The  
PAYNE  
"Grip - tight  
Fitting"

for purlins and columns, is the strongest and most secure fitting yet produced for this purpose, because it is held fast by two bolts where the greatest grip is required. They cannot break because the bolts are close to edge of pipe.

Iron and Wood Frame Greenhouses of every type. Material only or erected.

Let us estimate on your requirements.

Everything for the Greenhouse



# Cattle Manure In Bags

Shredded or Pulverized  
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.  
The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

counts of Secretary and Treasurer of the Florists' Hail Association and have found them to be correct, and the securities belonging to the reserve fund are intact and are deposited with the Lancaster Trust Company.

JOSEPH HEACOCK,  
Auditing Director.

## LIST OF PATENTS.

- 895,417 Shovel Attachment for Disk Cultivators. Jonathan L. Boyer, Evanston, Ill.
- 895,479 Fertilizer Distributor. Robert Love, Syracuse, N. Y., assignor to Kemp & Burpee Manufacturing Co., Syracuse, N. Y., a Corporation of New York.
- 895,571 Cultivator. John D. Lancaster, Lorena, Tex.

# DON'T EXPERIMENT

## USE

# To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

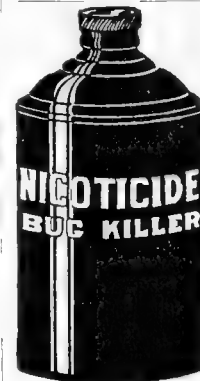
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



# The Best Bug Killer and Bloom Saver

For PROOF  
Write to

P. R. Paethorpe Co.  
OWENSBORO, KY.

# DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

# "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

# KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

# KING STEEL FRAME TRUSSED HOUSES

Patent Rights Reserved

Up to 50 Feet Wide Without Posts

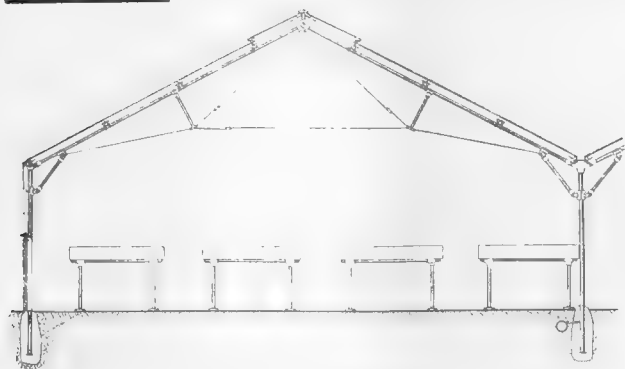
It Casts Less Shade. It Has Greater Stiffness.  
It Can Be Built in Wider Spans Without Posts.  
It is Less Expensive.

The introduction of this design marks a great advance in greenhouse building, making the highest type of construction available to the average commercial grower.

**"Ask The Man Who Has One"**

Names given on application  
Complete framework or fittings only supplied

**King Construction Co. N. Tonawanda, N. Y.**



Type of 25-Foot Steel Frame Trussed Houses, of which 1000 lineal feet have just been erected by W. J. PALMER & SON, of Buffalo and Lancaster, N. Y.

KING CONSTRUCTION COMPANY received

## THREE HIGHEST AWARDS

At S. A. F. Trade Exhibit, Niagara Falls

for IMPROVED STEEL FRAME GREENHOUSE, for IRON FRAME VENTILATING SASH, for IMPROVED SASH BAR BRACKET; receiving the ONLY HIGHEST AWARD given for IMPROVED GREENHOUSE CONSTRUCTION.

Our PIPE HANGERS and SHELF BRACKETS were awarded HIGHLY COMMENDED, being the only ones to receive any award.

KING CONSTRUCTION COMPANY  
NORTH TONAWANDA, N. Y.

### STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/2 " " " 5.25	60 8 " " " 3.00
1500 2 1/2 " " " 6.00	
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	
500 4 " " " 4.50	
320 5 " " " 4.51	
144 6 " " " 3.16	

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Holker & Sons, Agts., 81 Barclay St., N. Y. City.

### Standard Flower . . POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.



### BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

### Are You Building

NEW GREENHOUSES

Or Making Improvements in

### Your Heating Outfit?

Don't overlook the advantages of forced circulation. Send us a Postal giving your address and we will tell you how to increase efficiency and economy.

**THE CASTLE COMPANY**

Heating Engineers

170 Summer St. . . Boston

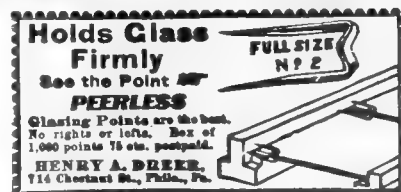


### Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

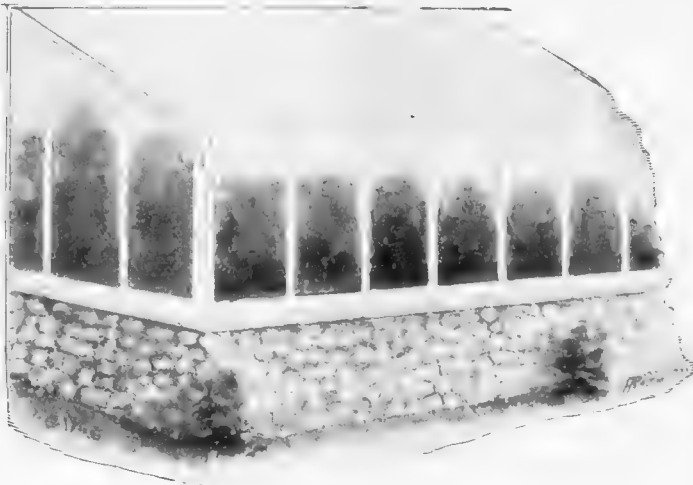
Write for Catalogue

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



In ordering goods please add  
"I saw it in HORTICULTURE."

The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 29,000,000 sq. ft. of glass. For particulars address John G. Esler, Sec'y, Saddle River, N. J.



PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: **Result, the driest roof ever used for greenhouse purposes.**
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Our exhibit will be at the Convention of the S. A. F. at Niagara Falls, and we would like to have every florist in attendance look over the same. We have many good things to show you. Our popular machine, our pipe carriers, shelf brackets, and new pat. pipe couplings, &c. Get our figures on apparatus, &c. We want to meet you all.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts. All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making of material for

### GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

### GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

## PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

**S. JACOBS & SONS**  
Manufacturers of GULF CYPRESS

**GREENHOUSE MATERIAL**

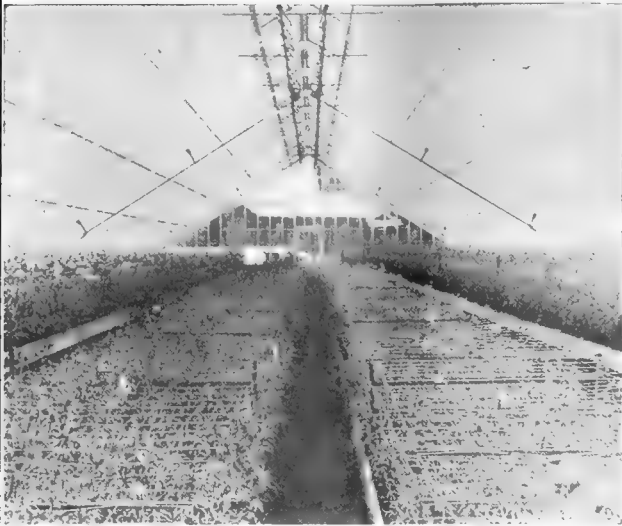
HOT-BED-SASH & FRAMES

Jobbers in **Boilers-Pipe-Fittings** and

**GLASS** on which we can quote attractive prices. Disc on large quantities. We furnish everything for Greenhouse Building  
**1365-1379 Flushing Avenue**  
**BROOKLYN, - NEW YORK**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

IN 1901

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

## IF YOU WERE AT THE CONVENTION

you probably saw our new "SASH BAR HINGE," and the way we hinge our vent sash; if you didn't see it, or if you were not at the convention, you should not fail to write us. No greenhouse is complete or modern unless it has this improvement for top ventilation. This new hinge is one of the greatest improvements in years; it does away with shade from the headers; it prevents sash from warping or blowing off in a storm; it keeps the sash bars from sagging; it keeps ice away from header, and prevents glass from breaking; it is wonderful and it costs no more than the old way.

Now remember — the new sash bar hinge is the best thing out, and you don't want to build without it.

**JOHN C. MONINGER CO.**

117 E. BLACKHAWK ST., - CHICAGO



## THEY HAVE NO GUTTER AT EAVES

which greatly increases their attractiveness, and decreases the shade. One means a constant satisfaction, the other, unequalled productiveness. They are the lightest, simplest, strongest and most durable houses, and cost less to maintain. Send for catalog

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK



M

ATTERS have now reached the point where Experiment Stations, Agricultural Colleges and Schools find greenhouses absolutely indispensable in their work. A recent notable instance is that of the Connecticut Agricultural College at Storrs, plan and two views of which are shown. An interesting feature and one unusual for a college range, is the vinery having a single center walk. In laying out this range, its absolute utility was the first consideration, and nothing of practicalness was sacrificed for effect; still the result is most pleasing.

Our Sectional Iron Frame Construction is in this case bolted directly to the cast iron sills which cap the masonry walls. This method of construction is somewhat more expensive than when the Guaranteed Wrought Bar Iron Posts are substituted, but for public institutions the added effect and air of durability is felt by most of the institutions to be worth the difference.

The Massachusetts Agricultural College, at Amherst, Mass., has just placed with us an order for seven new houses. Only yesterday we booked an order for the Louisiana State Agricultural College at New Orleans, for a plant laboratory, straight roofed palm house and two growing houses.

This morning's mail (August 17) brings inquiries from two more Agricultural Colleges, so you can see what the trend of things is.

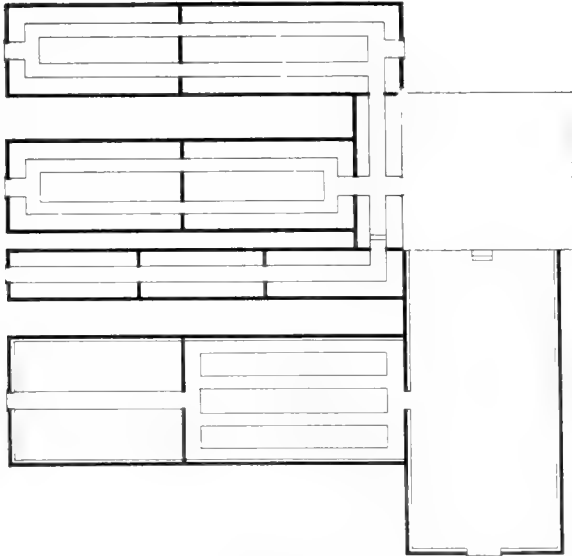
We are also turning out just now some greenhouses with our new Cast Iron Bench, for the State University of Kentucky.

In all this kind of business we handle, the committees seem to have the same ideas in mind, of building the greenhouses just as enduringly as they do their other buildings, which fact, no doubt, has a good bit to do with the steadily increasing use of our Sectional Iron Frame Greenhouses.

Send for Catalog  
**LORD & BURNHAM  
COMPANY**

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK



Plan of the Layout



Connecticut Agricultural College at Storrs. This view was taken particularly to give you an idea of the splendid effect of the straight roofed palm house



Climbing up on the steep roof of a professor's house, we snapped this view of the growing houses with roof of palm house showing at the back

# HORTICULTURE

Vol. VIII.                      AUGUST 29, 1908                      No. 9



A GROUP AT THE S. A. F. CONVENTION.  
On the Slope Overlooking the Niagara Rapids.

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*

# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from Nephrolepis Piersoni and Piersoni elegantissima as they were from Bostoniensis. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other Nephrolepis not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other Nephrolepis. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type**.

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out**. It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants, 2¼ inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## Special Low Prices

On large Specimen Kentias, Palms in Variety, Araucarias, etc., for Decorating Purposes.

### JUST RECEIVED

A large shipment of medium sized Kentias, Arecas, Cocoses, Araucarias, and other useful material. Can offer cash bargains just now as room is needed for shipments from Europe now due.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

### JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N.Y.

### NEP. WHITMANI

2¼ in., \$5.00 per 100

### NEP. WHITMANI

3½ in., \$25.00 per 100

### BOSTON FERNS

2¼ in., \$3.00 per 100

**H. H. BARROWS & SON** Waltham, Mass.

## GRAFTED ROSES

### Special Bargain Sale

Extra fine Stock from 3 inch pots.

KILLARNEY, CARNOT, KAISERIN,  
UNCLE JOHN, RICHMOND,

\$2.50 per dozen \$15.00 per 100

BRIDE, BRIDESMAID, GOLDEN  
GATE, LA FRANCE,

\$2.00 per dozen \$12.00 per 100

### OWN ROOT

KILLARNEY, KAISERIN, RICHMOND  
from 3 inch pots, \$7.00 per 100.

BRIDE, BRIDESMAID, GOLDEN  
GATE

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

**WOOD BROTHERS, Fishkill, N.Y.**

EXTRA  
QUALITY

## Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

## The Roses that Win

MRS. POTTER PALMER, CARDINAL  
American Beauty and Other Standard  
Varieties. Rooted from Our Famous Stock.  
Send for Prices.

**POEHLMANN BROS. CO.**  
Morton Grove, Ill.

## FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

**PRIMULA OBCONICA and P. CHINENSIS**

### Best Varieties

Ready Now, 2½ in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

In ordering goods please add "I saw it in HORTICULTURE."

**A. N. PIERSON, Inc.**  
**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

## ROBERT CRAIG CO.

### ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

# Ellwanger & Barry's

## Peonies

## Phloxes

## Iris es

Are Unsurpassed in Variety and Quality  
The Best Results are to be Obtained  
by Planting in September

Illustrated booklet with descriptions and planting directions FREE upon request.

**MOUNT HOPE  
NURSERIES**

Rochester, New York

## A NEW PEONY CATALOGUE

WITH

**Cultural Directions**  
ALSO A LIST OF THE BEST  
**IRIS and PHLOX**

Sent free to all applicants.

**T. C. THURLOW & CO.**  
Wes Newbury, Mass.

## FIELD GROWN CARNATIONS

Strong healthy plants, free from disease. Special care given to the packing, using light slatted crates.

White—	Per 100	Per 1000
White Enchantress .....	\$8.00	\$70.00
Queen Louise .....	6.00	50.00
Pink—	Per 100	Per 1000
Splendor .....	12.00	100.00
Rose Pink Enchantress .....	7.00	60.00
Enchantress .....	6.00	50.00

**S. J. REUTER & SON, Inc.**  
WESTERLY, R. I.

## CARNATIONS

Winona, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

**F. DORNER & SONS CO.**  
La Fayette, Ind.

**JOHN E. HAINES**  
Bethlehem, Pa.

Imperial variegated } Per 100 Per 1000  
Pink Imperial, Pink } \$6.00 \$50.00

Place your orders early for Jan. delivery.  
Cash with order please.

## Sturdy Field-Grown Carnations

1000 Queen, 1500 Fair Maid, 500 Harlowarden, 150 each Enchantress, Rose Pink Enchantress, Lady Bountiful, 250 Roper's Pink Seedling 307, \$6 per 100. \$50 per 1000.

**J. H. PLAYDON, ANDOVER, MASS.**

## FIELD-GROWN CARNATION PLANTS.

	Immediate Delivery.	Per 100	Per 1000
Andrew Carnegie, scarlet	- - - -	\$12.00	\$100.00
White Enchantress,	- - - -	7.00	60.00
White Perfection, medium,	- - - -	5.00	40.00
Rose Pink Enchantress,	- - - -	6.00	45.00
Enchantress, - - - -	- - - -	6.00	45.00
Welcome, sport of Lawson, same color as Windsor, long r stem,	- - - -	6.00	
Variegated Lawson,	- - - -	6.00	
Daybreak Lawson,	- - - -	6.00	

**CHICAGO CARNATION CO., A. T. PYFER, Mgr. Joliet, Ill.**

## BAY STATE

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION O. P. BASSETT

Extra Large Bright Red Free Bloomer

Rooted Cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 500, 35.00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st. '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.**

## GERANIUMS

We have a fine lot ready in 2 in. pots for immediate shipment, good Standard sorts at \$2 per 100 and up to Newer Varieties and Novelties at 75c each. We have an exceptionally fine lot of **Alphonse Ricard** at \$2 per 100.

**Special price list for October and November delivery ready.** In sending for same kindly state if you have our 1908 Geranium Catalogue or descriptions.

Our **Dahlia and Geranium Show** will be held Sept. 22nd-26th, at which some 300 varieties of Dahlias and 400 varieties of Geraniums will be on exhibition. Write us about trains, etc. Cowenton Station B. & O. R. R., Philadelphia Division, 9 miles east of Baltimore.

**SMILAX**, extra strong, \$2 per 100; \$18 per 1000.

**R. VINCENT JR. & SONS CO., WHITE MARSH, MD.**

## FIELD GROWN CARNATIONS CARNATION PLANTS

Shipped Direct from the Grower

WHITE	Per 100	1000
White Enchantress ..	\$8.00	\$70.00
Queen Louise .....	6.00	50.00
PINK	Per 100	1000
Splendor .....	12.00	100.00
Rose Pink Enchantress ..	7.00	60.00
Enchantress .....	6.00	50.00

**WELCH BROS.**  
226 Devonshire St., Boston, Mass.

5000 Enchantress, 1000 Rose Enchantress, 1000 Bountiful, 5000 good Scarlet Seedlings: All at \$6.00 per 100. \$50.00 per 1000. 1000 Boston Market, 4000 Enchantress No. 2, 2000 Penn., 4000 Queen, 2000 White Lawson: \$4.00 per 100. \$35.00 per 1000. Also 400 Grafted Bride Roses at \$10.00 and 300 Pres Carnot at \$4.00.

**WORCESTER CONJ. VARIETIES**  
**L. C. MIDDLEBURY PROP.** Worcester, Mass.

## FIELD GROWN CARNATIONS

**Immediate Delivery**

For prices and varieties address  
**CHARLES H. TOTTY, MADISON, N. J.**

Prices Quoted in these Columns are for Dealers Only.

When Writing to Advertisers Please Mention

**HORTICULTURE.**



Made up  
plant of  
Kentia  
Forsteriana

## Get the Best KENTIAS by Ordering at Once

Why wait when quick orders guarantee best plants and delayed orders may come too late? As all our orders are filled with best plants only, frequently, toward the end of the season, we are obliged to report "sold out."

### Kentias of Our Standard

surpass in strength of growth, stately appearance, freedom from disease, and are consequently in strong demand. Better get your order ready soon—you can lose nothing and may gain much.

*New Wholesale Catalogue Mailed Upon Application*

**Joseph Heacock Company**  
ROSE AND PALM GROWER  
WYNCOTE, PA.

### CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a  
Large and Fine Lot of

## California Privet

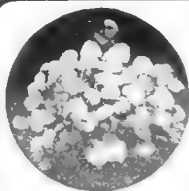
by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

### ELMS, SUGAR and NORWAY MAPLES

Shrubby in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

*Send Your Wants and I Will Send  
You Price*

IN ORDERING GOODS PLEASE  
MENTION HORTICULTURE.



New Flowering Hydrangea

### HYDRANGEA

(Arborescens)

#### GRAND ALBA

A taking novelty for

#### FORCING

Strong field-grown 15 inch and up \$15 per 100, \$140 per 1000. 1 to 15 inch \$10 per 100, \$100 per 1000.

The Elm City Nurs Co.  
NEW HAVEN, CONN.

### BARGAINS in TREES and PLANTS

See for 50c delivered free by mail  
List Free. D. J. FLOWERY, Dept. Horticulture, N. Y.

## JOHN WATERER & SON, Ltd. American Nursery Bagshot, England

Are Specialists in the

### REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

**A Hardy Garden or Border Planted in September Gives the Best Results**

We grow strong field-grown plants of

## HERBACEOUS PERENNIALS

in great variety. Illustrated catalogue containing everything for planting the Home Grounds  
Free upon request.

**THE BAY STATE NURSERIES, North Abington, Mass.**

**EVERGREENS** for early Fall planting: **HARDY RHODODENDRONS** per thousand. All other fine **SHRUBS, TREES, VINES, PERENNIAL PLANTS and FRUITS.** Complete assortments: Careful grading: Low prices.

## AMERICAN NURSERY COMPANY,

Sales Department, - - - 150 BROADWAY, NEW YORK CITY.  
BLOODGOOD NURSERIES DEPT., Flushing, Long Island.  
F. & F. NURSERIES DEPT., - - Springfield, New Jersey.

### CLEARY'S HORTICULTURAL CO.

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction  
HORTICULTURAL PRODUCTS  
of every description.

Consignments Received. Surplus Stock Converted.  
62 Vesey St., NEW YORK

Hardy Rhododendrons Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate  
P. OUWERKERK, 216 Jane St., Weehawken Heights  
P. O. No. 1, Hoboken, N. J.



## The Chestnut Disease

The disease affecting the chestnut trees, first noted about New York State two or three years ago by Dr. W. A. Murrill of the New York Botanical Gardens, has become a very serious one in that locality. Dr. Murrill has studied this disease and published the results in various numbers of the *Journal of the New York Botanical Gardens*, and finds associated with it a fungus which he has named *Diaporthe parasitica*, Murr. He carried on some inoculation experiments showing that this fungus is capable of producing the disease when inoculated into healthy trees. The recent reports concerning the disease seem to indicate that it is spreading widely and rapidly, and mention is made of its occurrence in southern Connecticut in 1907 by Dr. G. P. Clinton.

Those who are well acquainted with the disease take alarming views of it and maintain that unless something unforeseen occurs to check its spread the chestnut is doomed to extinction in the Atlantic States.

There appears to have been no remedy discovered as yet for its control. When a tree is once badly affected it is doomed, and the only treatment recommended at the present time is to prune back the affected parts, a method of treatment which can only be effectual on trees slightly affected. The disease is spread by minute spores which are produced by the fungus. These are formed continually and abundantly throughout the growing season and are easily distributed by wind and other agencies.

It is reported that the European, Japanese and native Chinquapin chestnuts are also subject to attacks from this fungus. From the first we have been on the lookout for this fungus in Massachusetts and have examined a great many chestnut trees which showed considerable dead wood, and it has been reported incidentally that the disease has been found in Massachusetts but we have not been able to substantiate this report. It is possible that in the western or southern part of the State it may be found but it is safe to say the most of the State is probably free from it at the present time.

In Dr. Murrill's first paper he states that "it is possible that the conspicuous ravages of the disease about New York State are largely due to the severe winter of 1903-'04 during which many trees of various kinds were killed or injured." This statement is rather significant inasmuch as in our own State a great many of our native trees have deteriorated and died since this period, and this is due not only to root killing but to killing above ground. Among these troubles may be mentioned the so-called "pine blight" or sun scorch of the pine which is associated with the severe winter killing of roots. The decline of the ash, swamp maple, oak, butternut, and in some cases the elm and rock maple as well as white maple, together with the cherry, apple, plum and peach, dates back to this period. There has also been a large amount of dead wood found in our native chestnuts showing that they have not been in the best condition.

Dr. G. P. Clinton, of New Haven, refers to a serious trouble which affected the chestnut trees in the South in 1825, at which time a large number of chestnut trees died very suddenly, and more recent observations have shown that the chestnut does not maintain its former importance in that region.

Amherst, Mass.

G. E. Stone

## Thrips in Greenhouses

A very valuable bulletin, the result of long and careful investigation, is being prepared by Prof. A. C. Beal and will soon be ready for distribution by the Illinois Agricultural Experiment Station at Urbana. Following is a summary of the contents.

Thrips injury to cut flowers in greenhouses is a recent trouble.

Thrips are very small winged, sucking insects which lay their eggs in the green parts of plants.

The "hothouse species" were not found, but a closely related species is widely distributed.

The great damage to roses and carnations is due to the work of two common out-door species—Wheat Thrips and Onion Thrips. (*Euthrips tritici* and *T. tabaci*.)

Cucumbers are injured by Onion Thrips, *Thrips tabaci*-Lind.

Observations made show *T. tabaci* to be the most abundant species in greenhouses in autumn and winter, but that *Euthrips tritici* becomes the most abundant species in rose houses in summer. Thrips *tabaci* appear to prefer the carnation to the rose.

Eggs are laid inside the calyx of carnations, on the outside of the calyx of the rose, and in the tissues of the lower side of the leaf of cucumbers and callas.

Injury is caused by withdrawal of the sap from the cells of the petals and leaves of plants, leaving white blotches on colored flowers, causing a browning of petals of white or light pink flowers, and a gray hoary appearance to leaves.

All species are more or less sensitive to bright sunlight and generally seek shaded positions.

Temperatures at night above 60 degrees are favorable to thrips and their appearance and worst injury may be expected in the warmest parts of the house. Conditions favorable to red spider are favorable to thrips.

Thrips injury is greatest in autumn and spring and least in midwinter.

Some varieties of carnations are more subject to attack from thrips.

Fumigation is slightly more effective than sprays.

Hydrocyanic acid gas, one ounce to each 1000 cubic feet of space is dangerous to young cucumber plants but sufficient to destroy an average of 92 per cent. of the thrips.

Hydrocyanic acid gas, one ounce to each 3000 cubic feet of space destroyed alcyrodes (whitefly) but only eleven per cent. of thrips, while it did not injure the plants.

Daily sprayings with nicotine insecticide on the upper surfaces of the leaves and the spray syringed off gave good practical results. Spraying thoroughly will clean out thrips provided the plants will stand the hard syringing necessary to remove the spray.

Tobacco smoke is not a very efficient insecticide for thrips.

Sprays made with two-thirds of an ounce of any of the stronger nicotine insecticides per gallon of water gave promising results.

Nicotine is the poisonous principle in the insecticides used. Pure nicotine in very dilute solutions kills thrips almost instantly when sprayed on them.

The nicotine content is the factor determining the value of a reputed tobacco extract or nicotine compound.

# HORTICULTURE

VOL. VIII

AUGUST 29, 1908

NO. 9

PUBLISHED WEEKLY BY

**HORTICULTURE PUBLISHING CO.**  
**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—A Group at the S. A. F. Convention	
THE CHESTNUT DISEASE—G. E. Stone	281
THRIPS IN GREENHOUSE	281
BRITISH HORTICULTURE—W. H. Adsett	283
ROSES UNDER GLASS—J. E. Simpson	283
AFTER ADJOURNMENT	284
CARNATION SPLendor—Louis Reuter—Illustrated	284
ROSE CONRAD F. MEYER	284
SOCIETY OF AMERICAN FLORISTS	
Story of the Convention Continued—Report of the Judges Thursday Afternoon Session Friday Morning Session	285
Report of the Committee on Horticultural Education Report of the State Vice-President for Maryland	286
DURING RECESS	
The Convention Bowling Contests Elberon Horticultural Society	287
NEWS OF THE CLUBS AND SOCIETIES	
American Rose Society Massachusetts Horticultural Society—Canadian Horticultural Association New Orleans Horticultural Society Florists' Hall Association Club and Society Notes	288
OUT-OF-DOOR ROSES—W. C. Barry	289
SEED TRADE	292
OBITUARY Patrick H. Meehan Clarence Peniston	295
FLOWER MARKET REPORTS	
Boston, Chicago, Indianapolis, New York, Philadelphia	297
MISCELLANEOUS	
Some New Gladioli	287
Corrections	287
About Iris	290
Publications Received	292
Catalogues Received	292
Easter Lily Bulb Prospects	293
Freight Rates from Japan	293
Personal	294
Movements of Gardeners	294
Steamer Departures	294
News Notes	294, 295, 297
Coming Events	295
Neighborhood Flower Shows	295
Incorporated	295
Philadelphia Notes	297
Business Changes	297
Greenhouses Building or Contemplated	307
List of Patents	307

One exhibitor at the Niagara Convention took orders for over four hundred dollars' worth of one line of plants. We do not know that this was ever done, no doubt others did as well perhaps better. We hope that this will reach the eye of many upon whom words extolling the business value of the S. A. F. meetings have hitherto availed nothing.

Here were ninety-five firms from all parts of the country willing to pay in the aggregate nearly \$2300 in space charges besides the heavy cost of freight and the time of their employees and when we read over the names we find a majority of them the same as recorded year after year in the past, their course undoubtedly governed by the satisfactory results obtained, while their inert, obstinate or timorous competitors stay at home and lament over the poor business conditions. It was always so and probably always will be.

We agree heartily with Mr. Burdette's views as expressed at the discussion on the conduct of the National Flower Show, at the meeting in Niagara Falls last week. Mr. Burdette represents the best promoter of the show from a financial standpoint—the daily press—and his plea that special features be given such prominence that the press agent will have something to work on should be heeded. Flowers, as such, are no longer a sensation. The modern florist store is a daily exhibition in itself and people are not going to pay for the privilege of looking at a lot of plants grouped together in a hall nor can they be aroused to any feverish interest in the routine features of competition on technical points which so absorb the grower's attention.

We take opportunity to repeat what we have heretofore maintained in these columns that any attempt, now-a-days, to run a self-supporting flower show without special features, as was possible some years ago, is almost certainly doomed. The flower show records of the past few years abound in embarrassments and bitter disappointments all because these demands have been lost sight of. "It is a condition which confronts us, not a theory."

Tariff revision is in the air and no time should be lost by the nursery, plant and bulb trade in deciding upon what they believe to be for the best interests of

American horticulture so that when the time comes, as it undoubtedly will within a few months, the legislative committee of the S. A. F. can appear before the tariff makers, sustained and upheld in their claims by the trade of the entire country. When the matter was discussed in the meeting at Niagara Falls the sentiment of those present was unmistakably in favor of a specific duty on all these horticultural products. The adoption of a specific duty would mean the importation of a better class of goods and would tend to keep low grade refuse material out of the country. It would put an end to dishonesty and collusion in invoicing shipments and relieve the trade of all the trouble, uncertainty and controversy in the appraisers' department which importers have experienced under the present system. With these manifest advantages in sight our business interests should get busy and speak out through every local and national organization so that there can be no question as to their earnestness and unanimity. If they do so they will get what they want. If they do not it may be many years before the opportunity comes again.

## British Horticulture

It was my good fortune lately to visit the seed farm of Henry Eckford. Mr. Eckford has found it necessary to augment his facilities, has now a farm in Essex, a famous seed growing county, where fifty-three acres are devoted to sweet peas. The rows placed end to end would reach a distance of 180 miles. The outlook is much more satisfactory than was the case last year. Countess Spencer, which in the early stages of its career was distinguished for its "sporting" tendencies, was seen in batches of over an acre, and every one true in type and tint. Another striking variety was Triumph, a bold bloom of shapely form of an orange pink hue. Others in the same field were Mrs. Walter Wright, the popular mauve; Unique, an excellent striped variety; Prince Edward of York, a useful scarlet, and John Ingman. Lovely was justifying its name, the pretty shade of pink showing up in strong contrast to some of the darker tints in the adjacent rows. The Queen of Spain was another variety which arrested attention, not only on account of the admirable color, but also owing to the vigorous growth. A large amount of space was devoted to Queen Alexandra, whose fine array of bold scarlet blooms provided a warm breadth of coloring over a broad area. Another popular variety was seen at its best in Henry Eckford.

### ELECTRICITY IN THE GARDEN

Details have been published of some interesting experiments which have been conducted in applying electricity to plant growth. Mr. J. E. Newman, of Gloucester, acting in conjunction with Mr. R. Bomford, of Salford Priors, has for some time been engaged in investigations, having Sir Oliver Lodge and his son, Mr. Lionel Lodge, as advisors. The method adopted is to stretch over the field to be treated a number of wires on poles, something like low telegraph wires. The system of conductors is connected at one post with a generator supplying positive electricity at a potential of something like 100,000 volts, and with sufficient power to maintain a constant supply of electricity at this kind of potential. The electrification is maintained for some hours each day, but is shut off at night; it is probably only necessary to supply it during the early morning hours in summer time, and in spring time or in cold, cloudy weather for the whole day, or during the time of the plant's greatest activity. But at what stages of the growth of a plant the stimulus is most effective has still to be made out. The results lately published state that as regards strawberries there was a 35 per cent. increase. Earlier ripening was also observed. Small plots of raspberry canes showed a marked improvement in growth, whilst tomatoes produced an increased crop. A curious point about the raspberries was that the foliage and fruit of the old canes showed no difference, but that the new growth, particular after the old wood was cut back, showed an enormous difference in favor of the electrified.

### THE FRUIT CROP PROSPECTS

According to the reports received the apple crop is appreciably better than last year, or even than in 1906. Whilst the apple crop generally is satisfactory, it appears to be very deficient in Scotland, the returns of average crops from Scottish gardens being even fewer than last year. Pears are less plentiful over the kingdom than last year, but the returns are slightly better

than in 1906. As regards plums, there are 146 returns of under average crops, whilst there are 126 correspondents who report crops equal to, or above, the average. Cherries are less plentiful than last year. Out-of-door peaches and nectarines are very deficient. The crops of currants, raspberries and gooseberries are plentiful, and this remark applies with even greater force to strawberries for out of 278 returns there are only six which record the crop as below the average yield.

*W. H. Adsett.*

## Roses Under Glass

### SEASONABLE SUGGESTIONS

Summer is now on the wane, and as the season for firing approaches, all our skill will be required to prepare the stock to meet the change of conditions due to the transition from natural to artificial heat. Any carelessness or ignorance displayed in the administration of ventilation and water at this season will bring dire results later on. To properly prepare the stock for this change, due regard must be taken of the fact that evaporation is on the decline, and the plants cannot use, with advantage, the copious supplies of water necessary during the summer months and consequently the supply must be carefully gauged to meet the diminishing wants. Root action will also become more sluggish and, if the soil ever approaches the point of saturation, the stock will surely suffer.

As the nights begin to get chilly, less ventilation will be required, and particular care should be given to lowering the ventilation during the afternoon so that after each reduction there will be no appreciable raise of temperature. The same care should be exercised in the morning, raising the ventilators gradually as the heat increases, but never so much at a time as to lower the temperature. Fresh air is a wonderful tonic and is perhaps the true source of that beautiful dark foliage, so rich in color and firm of texture and without which we cannot enter on the short days with a fair chance of success. But like all other essentials, air must be applied judiciously and at the proper time, otherwise it is capable of working havoc and bringing our dreams of a golden harvest to a dismal end.

When the weather permits and other conditions are favorable, the plants should be given a thorough syringing in order to keep red-spider in check, as we get few opportunities to tackle them in the winter. Keeping the plants neatly tied up greatly facilitates syringing and by admitting a free circulation of air among the foliage reduces the danger of contracting any of the fungoid diseases.

Mildew is another of our constant enemies, and advantage could be taken of the first cold night to run steam and potting pipes with the sulphur mixture to eradicate any that may be in the house. A little persistence in this work and care to maintain as nearly as possible a free circulation, will soon cause the trouble to disappear.

*J. E. Simpson.*

## AFTER ADJOURNMENT.

The current issue of our esteemed contemporary, the Country Gentleman, informs its readers that F. H. Traendly was elected president of the S. A. F., at Niagara Falls, last week. "Brother Tucker," you are "away off." And who told you there were "very scanty audiences" at Niagara Falls? We might add that the Society of American Florists was organized at Chicago, not Cincinnati, in 1884, but held its first convention in Cincinnati in 1885.

The Chicago Daily Tribune has been conducting a prize garden contest, and in its issue of August 20 published pictures of the prize winning porch and veranda arrangements, all very creditable to their owners and suggestive as to the possibilities in making beautiful homes even amid the most dispiriting surroundings. The moral disfigurement and stupidity which some men have in their make-up was illustrated in the case of one landlord who, when he saw how attractive his tenant had made his home, promptly raised the rent.

"The American Florists' Association is in session at Niagara Falls. Good; it will be rare sport to have the man who makes the price of violets fight it out with a Falls hotel keeper or hackman."—Brookton (Mass.) Times.

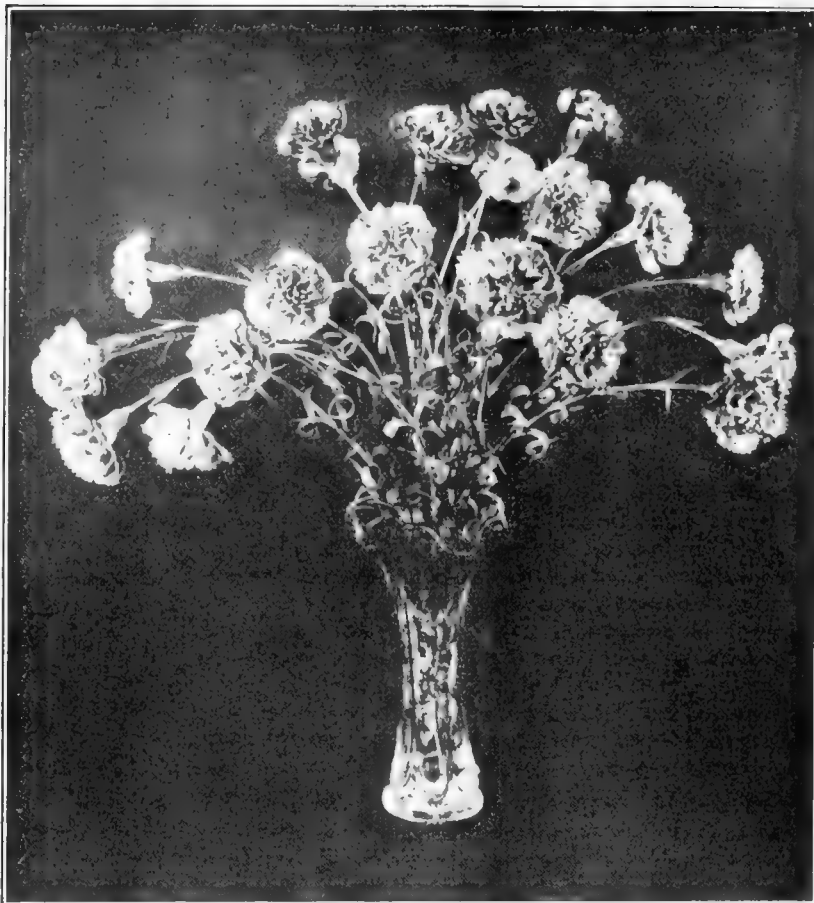
There appears to be no evidence of any more attempt at extortion at Niagara Falls than might be expected at any populous centre where the convention might be located. We are glad to record this fact for Niagara proved to be an ideal place for a convention and, if the expressed opinions of many of the attendants this year have any value, it will not be long before the S. A. F. makes its appearance at Niagara again.

"The obvious lesson to be drawn from this fact (good attendance at meetings) is that a business session, conducted under strict parliamentary rules, will invariably hold an audience." Florists' Exchange.

We don't quite agree with our contemporary as to the reason for the well-attended sessions at Niagara. First, the weather was delightfully cool and the hall comfortable at all times; second, there were few counter attractions in the place to draw away the attendants; third, the sporting contests were all relegated to the fourth day. If attendance has been unsatisfactory at any past conventions and if it be true that "a business session conducted under strict parliamentary rules will invariably hold an audience," it follows that past presidents have been either inefficient or remiss. Happily the "amendment to the amendment" fiend, as well as the hostile disturber, was conspicuously absent this year, for which President Traendly is, presumably, grateful and the "strict parliamentary rules" experienced no great strain.

Our talented correspondent, Mr. Alfred Rehder of the Arnold Arboretum, has gone away for two weeks' vacation, hence the absence of his notes from our columns. He will resume his valuable contributions on his return.

## CARNATION SPLENDOR.



This new variety was introduced last season without any great flare by Stevenson Bros., of Govanstown, Maryland, but it is very probable that the coming season will bring Splendor to the front as one of the best all around varieties of the day.

While not what is termed a fancy variety, as to size, it ranks well with such sorts as Aristocrat, Afterglow, and doing a little better than Winsor.

In color it is an even silvery pink shading between Afterglow and Win-

sor. The blooms have excellent form, with an attractive finish which has already made many friends with the buying public.

The growth is all that can be desired, being very free, starting in early to produce finished flowers on long stems and continuing throughout the season without any cropping. It is a heavy feeder and takes kindly to heavy soil.

As a grower in the field, Splendor is ideal, making a handsome shapely plant in a very short time.

LOUIS REUTER.

## ROSE CONRAD F. MEYER.

During the discussion following W. C. Barry's able paper on Out-Door Roses, a question was asked by Mr. Rudd as to whether the rose Conrad Meyer had proved to be a perpetual bloomer. Mr. Barry said that it had given some evidence that it was, but he was not prepared to positively so assert. He had found that it should not be severely pruned. A. L. Miller and Antoine Wintzer both expressed a favorable opinion of the variety. Mr. Wintzer had not found it a very free bloomer, but after being established two or three years its blooms were very fine specimens. He also liked Sir Thomas Lipton, which he stated to be almost as vigorous as Rugosa itself, producing from two to five hundred blooms on three-year-old field plants. Mr. Wintzer deprecated the fact that such an enormous number of new tea roses are being pushed on the market every year.

We find in The Garden (London) the following note in reference to the rose in question:

Rose Conrad F. Meyer not flowering satisfactorily. (C. L. A.)—This Rose is apt to grow so vigorously that unless grown as a pillar plant or pegged down it will not flower very freely. You might remove a few inches from the flowerless shoots at once, but we do not think you will get many blooms from them this year; it will help to ripen them, however, and they should bloom next year. In pruning next year leave the growths made this year from 3 feet to 4 feet in length, and if necessary loop them up to sticks. Some of the growths bend over arch-like and others horizontally. Keep them about two feet from the ground. A good plan to check the exuberant growth is to lift the plants with a spade and place them again into the same position, making the soil firm about their roots. This should be done in October. This rose flowers very freely on standards, and we have had it bloom grandly this year upon the plants put out two years ago. In pruning we retain the wood almost the entire length that it made last year. Some of the plants might be trained in a fan shape upon a trellis formed with bamboo canes. The check to the flow of the sap would induce it to flower.

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

## The Story of the Convention Continued

In our last issue we sketched the proceedings at the Niagara Falls convention up to Thursday noon when the result of the election of officers for 1909 was announced. The report of the judges on the trade exhibition, presented on Wednesday but added to and amended on Thursday and Friday was as follows:

### Report of the Judges.

A. Cowee, Berlin, N. Y.—Gladioli; the following named varieties being especially good: Dawn, La Luna, Afterglow, War, Empire, A. Dimmock. Certificate of merit.

Herendeen Mfg. Co., Geneva, N. Y.—New sectional boiler, series 160-180; special features; removable grate bars; two-way flues system; extra deep fire box. Certificate of merit.

King Construction Co., North Tonawanda, N. Y.—New sash bar bracket iron frame ventilating sash; greenhouse truss construction. Certificate of merit. Also pipe hanger and bracket. Highly commended.

Kroeschell Bros. Co., Chicago, Ill.—Improved generator for hot water heating, increasing capacity of boiler; also, pipe coupling and improved 1910 model boiler. Certificate of merit.

Lord and Burnham, Irvington, N. Y.—New round sectional boiler; increased fire surface directly over fire. Certificate of merit.

J. C. Moninger Co., Chicago, Ill.—New ice clearing hinge, with brass pins for ventilating sash. Certificate of merit. Also honorable mention for interlocking splice.

The Standard Pump and Engine Co., Cleveland, O.—Pumps for shallow and deep wells; gas or gasoline can be used, with no changes whatever; three-way safety valve on all pumps. Certificate of merit.

E. H. Hunt, Chicago, Ill.—Cement bench construction. Certificate of merit.

The Deming Co., Salem, O.—Spraying outfit. Highly commended.

A. T. Boddington, New York.—Ferguson Combination Sprayer and Syringe.—As a sprayer highly commended.

Lord & Burnham Co., Irvington, N. Y.—New cast iron bench. Highly commended.

Madison Basketcraft Co., Madison, O.—Willow baskets. Highly commended.

Schloss Bros., New York.—French ribbon novelties. Highly commended.

The Wilson-Hoyt Co., Short Hills, N. J.—Cement bench construction. Highly commended.

Wertheimer Bros., New York.—Dewdrop chiffon and other ribbon novelties. Highly commended.

H. Bayersdorfer & Co., Philadelphia, Pa.—Novelties in florists' supplies. Honorable mention.

Camp Conduit Co., Cleveland, O.—New tile bench. Honorable mention.

Otto G. Koenig, St. Louis, Mo.—

Lock for hot bed frame corners. Honorable mention.

The Ever-Ready Flower Pot Cover Co., Buffalo, N. Y.—Ever-ready pot cover. Honorable mention.

The Heim Support Co., Connorsville, Ind.—Carnation support. Honorable mention.

Robert Kift, Philadelphia, Pa.—Improved berry and fern globe. Honorable mention.

J. A. Payne, Jersey City, N. J.—Skeleton rafter, bent-glass eave construction. Honorable mention.

F. R. Pierson Co., Tarrytown, N. Y.—Nephrolepis elegantissima compacta. Honorable mention.

M. Rice & Co., Philadelphia, Pa.—Novelties in florists' supplies. Honorable mention.

George E. Brown, Greenfield, Mich.—The American carnation support. Highly commended.

George M. Garland, Des Plaines, Ill.—Cement bench. Honorable mention.

Christ. Winterich, Defiance, O.—Defiance greenery stump. Highly commended.

The judges were Jos. A. Manda, C. J. Graham and Fred H. Meinhardt.

The exhibits of the Quaker City Machine Co., Richmond, Ind., and the A. H. Hews Pottery Company, North Cambridge, Mass., were miscarried somehow and never reached the exhibition hall. Exhibits overlooked in our list published last week were: Ellwanger & Barry, Rochester, N. Y., conifers and hardy shrubbery; S. A. Anderson, Buffalo, N. Y., Lorraine begonias; E. Hippard, Youngstown, O., Standard return steam trap; Larkin Co., Buffalo, N. Y., insecticide soaps; Wm. Moll, Cleveland, O., pipe clamp; Washington Iron Works, Buffalo, N. Y., urns and pedestals.

### Thursday Afternoon Session.

The principal subject assigned for the session of Thursday afternoon, was the National Flower Show, to be held in Chicago next November. E. G. Hill addressed the meeting at length, describing the foreign exhibitions he had attended and especially emphasizing the great advantages and benefits to be derived by the trade at large from such displays. W. F. Kasting, chairman of the general committee of fifty, gave some facts relative to the preparations already made, stating that the premium list amounts to the grand total of \$11,023 worth of prizes, of which \$2336 are special cash premiums provided by individuals and firms and \$800 is in medals and cups from similar sources, the balance being offered out of the general fund. An assessment of 20 per cent. of the amount of the guarantee fund has been collected and 50 per cent. more will soon be called for. Arrangements have been made with the customs authorities,

whereby foreign exhibits will be admitted in bond without payment of duty. J. C. Vaughan, chairman of the committee on local management, reported that it has been found necessary to cut off one Sunday in the continuance of the show and that it would close on Saturday night. He urged that intending exhibitors make early entries and thus assist the committee of arrangements in their work.

W. N. Rudd, as chairman of the premium committee, explained the difficulties experienced in making equitable allotments to the different departments and that the necessity of drawing out local displays was regarded as of supreme importance. Every rule has been carefully considered and will be rigidly enforced. Every effort will be directed to making the affair a financial success. Irwin C. Bertermann, treasurer, next presented his report and was followed by George Asmus, chairman of the publicity committee. All these reports were discussed at considerable length. R. Vincent, Jr., being called upon gave a brief account of the shows he visited on his recent European trip, mentioning as particularly interesting the old-fashioned flowers which are there given prominence. His comment was that in this country we are too extensive and not sufficiently intensive. Mr. Burdette urged the necessity of providing for exhibits of a character sufficiently sensational from a public standpoint to furnish material which the press agent could use to advantage.

At this session a congratulatory telegram was received from A. J. Lovelless, president of the Chrysanthemum Society of America.

### Friday Morning Session.

The meeting on Friday A. M. opened with an address on "School Gardens," by L. C. Corbett, of the Agricultural Department, Washington, D. C., which we hope to publish in a later issue of HORTICULTURE. The discussion which followed was very interesting. E. V. Hallock, F. R. Pierson, H. S. Adams and others taking part, with approving comment. Mr. Pierson paid a fine tribute to the Department of Agriculture for its willingness to help in the school garden movement and urged that we must get the objective in education rather than the theoretical with which we have been surfeited heretofore. The co-operation of the Department means much for the success of the movement. Superintendent Chas. H. Keitsch then presented his report on the trade exhibition, showing that there were ninety-five exhibitors occupying about 10,000 sq. ft. of space. The receipts had been about \$2265, and expenditures \$1650, leaving an approximate profit for the society of \$615.

Albert T. Hey then read his paper



on "State Florists' Associations and Their Relation to the S. A. F." Mr. Valentine spoke in approval, especially of the suggestion of supporting and working through the county fairs for interesting the people in floriculture.

H. B. Dorner next addressed the meeting on "What the State of Illinois Is Doing for the Florist." Mr. Dorner is connected with the horticultural department of the State College at Urbana. He described at length the outfit that has been provided for research in the various phases of horticulture and valuable experiments with fertilizers for florists' crops. It is the aim to build up an efficient school of floriculture. The prescribed studies in addition to the regular college courses are soil physics, including rotation of crops, etc., botany, entomology, general horticulture, landscape gardening, the principles of evolution, commercial floriculture, exotics for outdoor work, etc. He extended a cordial invitation to all to visit the college, where they will be accorded a glad welcome.

George E. McClure was scheduled to read a paper at this session on "Planting for Winter Effect in the Northern States," but a delay in arrival of the train from Buffalo prevented his appearance in time to present the paper and a vote was passed ordering its publication.

Mr. Hallock then claimed the floor and proceeded to present to President Traendly a splendid case of solid silverware as a token of esteem from his friends in the Society. Mr. Hallock voiced in well-chosen words the appreciation of the members for the faithful and just manner in which the president has fulfilled his duty as presiding officer. He said that what is invisible, in the hearts of every member, was the best part of the gift, far excelling its intrinsic value. President Traendly briefly accepted the token, pleading his inability to find words to express his gratitude. He said he did not feel that he had done much but had done the best he could and coupled the thanks of Mrs. Traendly, who was not able to be present, with his own.

The report of the judges appointed to examine and make the awards on the prize essays sent in last year was presented by Wm. J. Stewart. The report stated that five essays had been submitted but that the committee did not consider any of them worthy of the amounts appropriated and recommended that a first prize of \$10.00 be given for the essay by J. Austin Shaw and two second prizes of \$5.00 each for those by Amelia Shaw and Irwin Bertermann. The report was accepted and recommendation adopted.

#### Friday Afternoon.

Friday afternoon was most enjoyably spent. The bowling cohorts started early for Buffalo, eager for the fray, scheduled to take place at the Palace Bowling Alleys. The rest of the party, numbering several hundreds, enjoyed a sail up the Niagara River, as guests of W. F. Kasting and other hospitable friends of the Buffalo Florists' Club. A lavish lunch was served all through the trip, which lasted about four hours, short stops being made at a number of pleasure resorts. Two steamers were used for the excursion,

about half the party proceeding on one boat to Buffalo to see the bowling and the rest returning to Niagara Falls. It was a most delightful ending to a week of unalloyed pleasure.

#### REPORT OF THE COMMITTEE ON HORTICULTURAL EDUCATION IN THE PUBLIC SCHOOLS.

(Presented by F. R. Pierson, Tarrytown-on-Hudson, New York.)

At the request of Mr. E. V. Hallock, Chairman of this Committee, I submit the following report on behalf of the committee:

At the last annual meeting of this society, held in Philadelphia, the question of horticultural education in the common schools was discussed at length, and as a result, a committee was appointed to take up this work. At the Congress of Horticulture, held at the Jamestown Exposition in September of the same year, this question was again discussed at length, and a committee was also appointed by that body, consisting of Dr. A. C. True of Washington, D. C., Director of Experiment Stations, United States Department of Agriculture, Mr. E. V. Hallock, and myself.

The suggestion was made at Philadelphia that effort should be made through the legislature of the various States to establish a system of school gardens; but it seemed wiser to the committee to endeavor first to interest the Department of Education in this subject before appealing to the legislature.

The committee appointed by the Congress of Horticulture met at Cornell University, Ithaca, on June 19, 1908, and, after considerable discussion, adopted a tentative course of study to be presented to the Educational Department of the State of New York; and a conference was arranged with Dr. A. S. Downing, Assistant Commissioner of the Department, August 3rd.

At that time, the matter was discussed at length, and the committee was pleased to find that the Department received favorably the suggestions made. Dr. Downing stated that said suggestions were in line with the policy already adopted by the State, and, finally, requested the committee to draw up a course of study for the consideration of the Department, stating that they would take up the matter and go into the necessary details as soon as a new syllabus was issued, which would be the following year.

The idea of the committee was to emphasize especially the necessity for elementary education in horticulture in our graded and common schools, in connection with the school garden idea, making it an interesting and instructive course of study, combining botany, nature study, etc., teaching the children to observe and love nature. This horticultural course should be made exceedingly simple and practical, and should combine the school garden idea with the adornment of grounds surrounding the school buildings, interesting the children in their environments. They should be taught what can be done with the most unattractive surroundings, and, at the same time, be given a general knowledge of horticulture,

especially making the acquaintance of their native grasses, trees, shrubs, vines, and flowers. Where the grounds permit, planting should be done under the direction of competent teachers, so that they will become generally well acquainted with our common plants—something which is practically lacking today, even among the best educated people. And another aspect of the case that appeals to the committee is, that by interesting the children in their surroundings, a higher standard will be raised in their minds regarding the ownership of property, which would result in inculcating the right idea in regard to property rights, thus making better citizens of the boys and girls who attend our schools, who are really the warp and woof of our commonwealth.

While the work of the committee was especially to secure such a course of study in the common schools, it felt it wise to advocate a complete course; and it was suggested that at least two special horticultural and agricultural schools should be established for special courses in these branches,—one situated in the eastern part of the State and one in the western part—the one in the east to specialize more particularly in horticultural subjects, and the one in the west in agricultural and pomological subjects. These special secondary high schools would then become feeders for Cornell University.

It seems to the committee very necessary that such a comprehensive plan should be adopted, as at the present time, Cornell University is obliged to take practically unprepared students, which compels it to do the work that secondary schools should do. The special horticultural and agricultural schools could then do much of the preliminary work that Cornell is now obliged to do, leaving it free to teach the higher and more scientific work, which is its legitimate field.

The establishment of these schools, however, would be a matter that would come before the legislature, and steps looking toward that end will be taken in due time. The special effort of the committee at present, however, will be to secure the incorporation of a definite course of study in the elementary and graded schools.

While much has already been done in New York State in this direction, the present syllabus leaves too much to the discretion of the individual teachers, who perhaps have little knowledge of the subject. What the committee desires is to secure a definite, systematic course of instruction, incorporated in the syllabus, so that it will not be optional, but as much a required study as mathematics, English, and the other common branches. The committee has considered it wiser to concentrate its efforts, and has selected New York State as the field of operation, and, if this effort is successful, after a definite course has been adopted by the State of New York, the committee will then appeal to the other States.

#### Report of the State Vice-President for Maryland.

The year 1908 will long be remembered as one of difficulties of various kinds all along the horticultural line.

Early in the winter the wave of financial depression struck Baltimore and of course the florists had to suffer first, which meant low prices for flowers, while expenses went merrily along. During the spring the rainy weather interfered with planting out, to be followed with no rain during June and July, causing a drought during which the weeds even refused to grow, consequently there are many small carnation plants being housed which have a tendency to keep the supply down somewhat early in the season. Roses are in fine shape.

During the past year Maryland has made great strides towards becoming a horticultural center. The South especially recognizing the fact that nowhere else can better roses, violets, carnations, etc., be secured than through the Baltimore Florist Exchange, which is the main distributing point for the growers and the leading factor in making Maryland horticulture what it is, handling fully four-fifths of all the wholesale cut flower trade of the state.

Very little has been done in the line of building, the general aim being to make the present facilities produce more and better results than the past. Although the bedding out season did not commence until late, causing some apprehension of the final results, as far as we can learn the business done was up to the average, and nearly all available stock disposed of. Quite a few new estates are being planted and building up of the suburban districts is creating an increased demand for this line of stock.

Maryland is again at the front with a grand new rose in John Cook's "My Maryland," which is destined to rank among the best standards of the future. Stevenson Bros.' new carnation Splendor promises to be pennant winner. Maryland claims the best and largest collection of geraniums and in dahlias will rank second to none in the country.

The Baltimore Gardeners' Club and Maryland State Horticultural Society are in flourishing condition.

Fred Bauer has been experimenting with *Harrisii* lilies and having obtained some wonderful results may be expected to be heard from in the near future.

The State Good Roads law passed by the legislature carries with it an appropriation of one million dollars for improvement of the roads throughout the state.

RICHARD A. VINCENT,  
State Vice-President.

SOME NEW GLADIOLI.

In the big exhibit of gladioli by A. Cowee at Niagara Falls were the following sterling novelties: War, scarlet; Peace, pure white with peacock feather mark in throat; La Luna, creamy white with wine color throat marking; A. Dimmock, mottled pink and yellow; Dawn, salmon with orange throat; Afterglow, salmon with bluish throat; Blue Jay, blue with white and yellow in throat; Victory, yellow; Empire, scarlet. These are all Groff seedlings. Princess Alteri, pure white with carmine throat and Lady Howard De Walden, canary with carmine markings in throat, both Lemoine productions, were also much admired.

## During Recess

### THE CONVENTION BOWLING CONTESTS.

The S. A. F. bowling games were held as per schedule at the Palace Bowling Alleys, Buffalo, on Friday P. M., August 21. The arrangements were excellent and very much to the credit of the committee, George W. McClure, E. A. Slattery and Rowland Cloudsley who had worked very hard to make the event a success.

### Team Contests.

The W. F. Kasting cup for highest single game was won by Philadelphia, score 846. The Whildin cup for highest total in three games and the Traendly cup for same, were won by Buffalo, score 2278. The Michell trophy for second highest in three games was won by New York, score 2254. The scores of the remaining teams for the three games were as follows: Washington, 2176; Philadelphia, 2160; Baltimore, 2137; Cleveland, 1990; Detroit, 1974.

Highest individual game in team contest, J. S. Fenrich (N. Y.), 210. Highest individual total in three team games, R. McLennan (Wash.), 538. Greatest number of strikes in three team games, C. L. Seybold (Balto.). Greatest number of spares in three team games, W. Robertson (Phila.). The Brunswick-Balke-Collander Co. diamond medal for individual championship of the S. A. F. was won by C. L. Seybold (Balto.).

### Men's Individual Contests.

## Prize and Winner.

1.	Ever-ready pot-cover cup (Grevers, J. Miesom)	317
2.	Diamond cuff buttons, P. Olson	314
3.	Suit case, W. L. Rork	332
4.	Bag, Geo. Asmus	351
5.	Gillette razor (S. S. Pennock), C. McKellar	317
6.	\$5.00 in gold (Benj. Hammond), J. Striet	301
7.	Umbrella, D. Scott	297
8.	Set brushes, P. Kessler	299
9.	Set brushes, W. E. Marshall	293
10.	Fountain pen (A. Adams), R. Cloundsley	288
11.	Sawyer knife (O. W. Clark & Son, A. R. Brenner)	287
	Booby prize (watch), G. E. McClure, Jr., presented by H. Bunyard.	

Ladies' Individual.

### Prize and Winner

- 1 Green vase (C. S. Yeagle, Roseville) 25
- 2 Umbrella (A. T. Boddington, Mrs. Asmus) 25
- 3 Seal bag, Mrs. Kreuthing 23
- 4 Gold locket (Geo. Aslano, Mrs. Whitson) 23
- 5 Wool cap, Miss Cook 23
- 6 S. A. P. pin (Fies, Mrs. Kastler, Mrs. Reichert) 22
- 7 Clock (Wertheimer, Mrs. Haas with) 21
- 8 Buckle (Mrs. Golsner) 20
- 9 Beauty pin, Mrs. Cook 19
- 10 Beauty pin, Mrs. Bodinson 18
- 11 Belt ribbon (Schloss Bros. M. S. Hoffer) 18

### Bowling Team Scores Complete.

## CLIFFLAND

P. Schmidt	107	110	109
G. Smith	147	94	111
F. Tuthill	121	134	142
G. Hart	138	152	155
C. Graham	155	136	191
	668	626	700

## BULLVALLO

C. Sandiford	151	124	140
W. B. Scott	133	116	131
P. Mansfield	176	152	192
J. Spiedel	157	161	157
G. McClure	158	154	169
	774	797	842

## NEW YORK

1	161	210	132
2	176	179	134
3	167	91	123
8	157	139	113
9	159	193	117

## DETROIT.

N. S. Ivan	106	135	162
M. Gray	105	135	144
F. Sullivan	112	150	108
F. F. Sullivan	110	148	129
T. Holznagel	112	147	150

WASHINGTON.

Cooke . . . . .	122	160	124
Shaffer . . . . .	126	149	140
McLennan . . . . .	198	163	177
Barry . . . . .	117	158	130
Urne t . . . . .	115	135	153

## PHILADELPHIA

W. Robertson	135	182	167
W. Gates	116	144	157
J. Deeds	180	114	179
L. Adellbeger	113	83	176
D. F. Connor	113	134	167

## BALTIMORE

Rt Emerald	132	137	144
Moss	102	113	118
Brown	127	145	109
Lehr	134	172	144
Seybold	156	166	188
	<hr/> 651	<hr/> 733	<hr/> 753

ELBERON (N. J.) HORTICULTURAL  
SOCIETY.

The first annual outing and clam-bake of the above society was held on Wednesday, August 12th, at Port-au-Peak Woods (Shrewsbury River). One hundred and fifty in all, mostly gardeners with their families, enjoyed a very fine day. The entertainment committee, N. Logan, W. Robertson, James Kennedy, H. Wood and A. Bauer, worked very hard to make it a success, and won the society's thanks for their well-directed efforts.

Several very exciting games were played and some valuable prizes were presented to the lucky winners. The base ball game between the Monmouth Horticultural Society and Elberon Horticultural Society was a very exciting contest. The score stands 5 to 5—a tie, and no prize was awarded. Monmouth won the tug of war. Fifteen ladies ran in the 50-yards' ladies' race, and Mrs. Metzdorf of Oceanic captured the first prize. In running-hop-skip-and-jump Jos. Hennessy was the winner.

A. BAUER, Sec'y.

The Gardeners' and Florists' Club of Boston will have an outing at the New England Nurseries, Bedford, Mass., on Saturday, Sept. 5.

CORRECTIONS.

In Seed Trade Notes, issue of August 15, the last word but one at the foot of the column, should be "quantities" instead of "qualities".

In Mr. Koehler's article on A Kalmia Plantation in Maine, Page 205, in fourteenth line, second column, read nine hundred plants instead of "one hundred."

A correspondent calls attention to an error in our account of the exposition at Gand, wherein our notes wrongly placed Gand in Holland, instead of Belgium. We plead guilty.

# NEWS OF THE CLUBS AND SOCIETIES.

## AMERICAN ROSE SOCIETY.

Pursuant to call made through the newspapers, a meeting of the American Rose Society was held during the session of the Society of American Florists and Ornamental Horticulturists. The business in hand was the formal change of officers. Mr. Robert Simpson of Clifton, N. J., turned over the office to Mr. August Poehlmann of Morton Grove, Ill. Mr. Simpson has been president for two terms during which the exhibitions at Washington, D. C., and Chicago were held. Vice-president Philip Breitmeyer of Detroit was succeeded by Mr. Wm. F. Kasting of Buffalo, N. Y., in which city the annual exhibition of 1909 will be held. Treasurer Harry O. May of Summit, N. J., and the present secretary continue in office. The Executive committee is as follows: J. J. Curran, Salem, Va.; P. J. Lynch, West Grove, Pa.; Peter Bisset, Washington, D. C.; P. Welch, Boston; A. Farenwald, Roslyn, Pa.; Philip Breitmeyer, Detroit; E. Gurney Hill, Richmond, Ind.

Mr. Simpson made a brief statement of the condition of the society showing an audit of all accounts up to June 10th, at which time the financial statement showed a lack of funds to close up the year. The habit of the past was by necessity to carry over certain charges. This the Executive committee took in hand to remedy. The difficulty in the past was that the cash prizes, independent of special prizes awarded regularly by the Society, reached an amount nearly equal to if not more than the revenue, leaving nothing to cover the necessary administrative expenses and these had been paid by the officers. The members who made good the amount are: J. A. Valentine, S. S. Pennock, Ellwanger & Barry, Henry Hentz, Jr., P. O'Mara, Vaughan's Seed Store, Carl Jurgens, Aug. Poehlmann, Joseph Heacock, Robert Simpson, Samuel Thorne, E. G. Hill, Alexander Montgomery, Patrick Welch, Gude Bros., Conard & Jones, Benjamin Hammond and others.

President Poehlmann in a clear cut address showed at once his ability as an executive officer and promised to do all in his power to extend the Society's usefulness. The following resolutions were adopted:

That the Society offer its medals and certificates as may be directed by the Executive Committee at its Annual Exhibitions.

That the Secretary be, and is hereby directed to publish the Annual Bulletin of the proceedings of the American Rose Society for the past year, and is also authorized to solicit a limited number of advertisements, and to print 1000 of the Bulletins.

The appointing of judges for the approaching National Flower Show was taken up and certain names suggested by request of President Poehlmann to whom the matter was referred. These gentlemen will be notified and as soon as their acceptance is assured the list will be published. Mr. Otto G. Koenig of St. Louis, Mo., joined the society as a new member.

BENJAMIN HAMMOND, Sec'y.

Fishkill-on-Hudson, N. Y., Aug. 24, '08.

## MASSACHUSETTS HORTICULTURAL SOCIETY.

The free midsummer show of this society held on Saturday and Sunday, August 22 and 23, was a most gorgeous affair. The great exhibition hall fairly blazed with thousands of gladioli, phloxes, asters, lilies and herbaceous flowers of every sort, and the small adjoining hall presented a display of choice fruits and luxuriant vegetables in rare assortment and perfection.

B. H. Tracy put up a collection of gladioli such as has never been equalled here for variety and for size of spike and bloom. One section of 100 vases filled for effect took first prize in that class and honorable mention was awarded to his Dawn and Mme. Butterfly. Another extensive gladiolus display came from John Lewis Childs in which the superb America and many varieties of the Childsii strain were prominent. R. & J. Farquhar & Co. were represented by a huge collection of herbaceous flowers, dahlias and auratum lilies, which filled one entire end of the hall with a wave of gorgeous color. In the collection were two novelties, the Chas. Lanier dahlia and a new lily collected by Wilson in Northern China.

Perennial phloxes were of superior quality, and made a big display, T. C. Thurlow, Blue Hill Nursery, W. Whitman and George Hollis winning first, second, third and fourth respectively. Francis Skinner, Mrs. John L. Gardner and Wm. Whitman were the winners in the China aster classes. Superb displays of herbaceous flowers were made by Bellevue Greenhouses, Blue Hill Nurseries, F. J. Rea and others, and there were promiscuous groups from Mrs. E. M. Gill and other regular contributors to these shows.

A first-class certificate of merit was awarded to Walter Hunnewell for hot house peaches, variety Sea Eagle. In the melon competition H. H. Rogers, gardener James Garthly, won first with Farquhar's Honey-Drop, Frederick Mason, gardener E. L. Lewis, second with Tip Top and third with Long Island Beauty.

## CANADIAN HORTICULTURAL ASSOCIATION.

As recorded in our issue of last week, this organization held its eleventh annual meeting at the Clifton House, Niagara Falls, Ontario, at the same time as the S. A. F. convention in Niagara Falls, N. Y. Cordial visits were exchanged between the two bodies, mention of which has also already been made. The routine proceedings, including addresses by the Mayor of Niagara Falls, President Walsh and reports by the various officers, took place on Wednesday, August 19. On Thursday papers were read on Forcing Tomatoes, by W. S. Blair; Care of Private Greenhouses, by William Wilshire; Nomenclature, by John Cavers; Grapes Under Glass, by Thos. Pewtress. On Thursday evening the officers for next year were elected as follows: President, Ed. Dale; first vice-president, H. E. Philpot; second vice-president, J. Connors; secretary, A. H. Ewing; treasurer, H. Simmers; exec-

utive for three years, Ed. Annandale, James Collins and W. Walker; for two years, C. H. Janzen and Mr. Upton. It was voted to hold the next meeting at Toronto at the time of the chrysanthemum show.

## NEW ORLEANS HORTICULTURAL SOCIETY.

The regular meeting of the New Orleans Horticultural Society held on Thursday P. M., August 20, was well attended. Messrs. DeLapouyade, Doersch and Eichling were appointed a committee to act with the Southern Florists who will give a trade exhibit in conjunction with the Horticultural Society's chrysanthemum show. A Finance Committee was also appointed consisting of Messrs. Otto Abele, Otto Werner and Chas. Eble. The committee in charge of the chrysanthemum show reported progress.

## FLORISTS' HAIL ASSOCIATION OF AMERICA

At the annual meeting of this association on August 18 officers were elected as follows: President, E. G. Hill; vice-president, H. H. Ritter; treasurer, Joseph Heacock; secretary, John G. Esler; directors, J. C. Vaughan and J. A. Valentine. The directors voted to raise the bond of the treasurer from \$5,000 to \$25,000 and proposed an amendment to the by-laws providing that in future the bond of the treasurer shall not be less than the average amount in bank during the previous year.

## CLUB AND SOCIETY NOTES.

At the last meeting of Dracut Grange, Lowell, Mass., James McManmon, florist of that city, gave an interesting talk on plants.

Mr. J. Guille, Portsmouth, Va., will address the Florists' Club of Philadelphia at their September meeting; subject, "Bulb Growing in Virginia."

The Indiana Horticultural Society met at Greenfield on August 20 and 21. Considerable attention was given to the treatment of San Jose scale.

The Douglas County Horticultural Society met with A. H. Griesa, Lawrence, Kansas, on August 15, and E. B. Cowgill was the speaker of the day.

The Tri-City Florist Club met with Henry Pauli, Davenport, Iowa, on August 13. The handling of cold storage bulbs was the subject under consideration. The next meeting will be with Harry Bills on September 3.

The New Jersey Horticultural Society held its meeting on August 19 with Albert Repp of Glassboro. State Entomologist J. B. Smith, H. W. Collingswood and Prof. M. J. Blake were among the speakers. Dinner was served to nearly five hundred people in one of the big barns.

The Montreal Horticultural Society has just awarded the prizes in the garden competition and the list of winners has been published. Classes were for city gardens, suburban gardens, back yard gardens, and "special cases." The judges were Joseph Bennett, George Trussell and C. A. Smith.

### OUT-OF-DOOR ROSES.

(A Paper Read Before the Society of American Florists by W. C. Barry, Rochester, N. Y.)

In consenting to prepare a paper on "Out-of-Door Roses" for the 24th Annual Meeting of the Society of American Florists, I must admit that I did so with consideration, realizing full well that my statements, observations, and conclusions would be subject to the consideration and criticism of experts.

Your fame for rose growing under glass is world wide. You have achieved a reputation of which not only you who are directly engaged in this business, but our countrymen as well, may be proud. This happy condition is the result of hard work, serious study, and long practice on your part. Aiming to grow the best, you have adopted and pursued methods which have accomplished the end. Your practice has been commended and followed by workers in other countries. Each year you have made advances, and your ability has been amply demonstrated in the careful selection of varieties which you have adopted for forcing. It would be an easy matter to blunder seriously in this regard, but your judgment has been tried and found to be wise and correct.

I premise my remarks with these statements because you have justly won a high place in floriculture, and I am among the number of those who believe that your pursuit is so commendable, beneficial and elevating in its aims and influence, that it should be justly valued and your achievements should have the recognition and appreciation which they deserve.

I have been invited to consider a subject hardly in line with your work and you may feel that I am occupying your time unprofitably, and yet I know and appreciate your great love for the Queen of Flowers. The Queen of Floral Beauties has been uppermost in your mind for years—you have thought about her, dreamed about her, exerted your best efforts in her behalf and your success in every case has been most gratifying. In the Floral Kingdom are to be found innumerable beautiful and choice subjects each one possessing charms peculiar to itself, but among the vast number the rose has been accorded the highest place. To her we bow. To her do we exclaim in endearing tones, "Your charms of color, and form and fragrance are unequalled. We recognize your incomparable beauty, and as loyal subjects we vow to do all in our power to secure a better and higher appreciation of your virtues." With this in mind, I trust you will not feel that I am wasting your time, but that you will cheerfully lend your attention, for a brief period, while we consider together as lovers of the Rose, what may and should be done to forward the movement of Out-of-Door Rose growing in this country.

We have, I know well, in many sections, a climate so severe that Rose culture is extremely difficult if not impossible, and yet I can truthfully say that that territory is of small extent. In the Southern States Rose growing is comparatively easy. In the North we will confess that it is somewhat difficult, that is, Roses grown in the North need some protection in

winter such as hilling up with earth or covering with evergreen boughs, or both. The care and attention required to carry out these important details are often neglected and disappointments and discouragements follow. With the introduction and employment of the Hybrid Teas more care than ever must be taken in this particular. In addition to the covering referred to a shelter of boards to shed the water is recommended for the more tender varieties.

Roses should always be planted in a place and in a manner which will permit of their being protected. By this I mean that instead of scattering in the plants here and there in the garden, border, or lawn, I suggest planting them together in beds, groups or masses; not in the most conspicuous place in the grounds, but rather at the side, or in the rear, or in an inclosure, with a hedge about them, the idea being that the plants may not be too prominent when out of flower. I think many planters err in this regard frequently. Rose gardens large and small have their place, but surely it is not in the front yard or in the most conspicuous part of the lawn. The ever blooming sorts like Baby Rambler, Killarney, Gruss an Teplitz, Testout, Kaiserin, Cecile Brunner, Baby Dorothy, White Cochet, Pink Cochet, Clothilde Soupert are such continuous bloomers that they may be excepted and planted where they may be seen to advantage all summer long, but most varieties should be planted as I have suggested. If quantities of bloom are desired, then the plantation should be on a large scale in the rear of the grounds, setting the plants in rows and beds with grass walks between them. This arrangement is practical and ornamental. In large places a garden should embrace one thousand plants at least and in smaller places a proportionate number. The amateur even cannot expect to get satisfactory results from a few plants. We must be generous in our plantings. The soil cannot be too good or too rich. If planted in good garden soil and manured heavily with well decayed manure I can predict with utmost certainty that the result will be satisfactory.

The Rose in good soil grows wonderfully, escapes diseases, and insects, and looks well having ample foliage. Whenever possible means for watering the plants should be provided, and a liberal use of water will produce a marvelous effect. Water can be easily and cheaply conducted to various parts of the grounds in small iron pipes laid on the surface. This is better and cheaper than rubber hose. The expenditure in this direction will insure not only the health of the plants but render them capable of producing blooms continuously.

### Budded and Own Root Plants.

Some planters will have nothing but own root plants because of disappointments and success in growing the stock, whether it be Manetti or Briar, rather than the variety of Rose sought. Growing the stock has given a black eye to rose culture and it is difficult to persuade those who have once been disappointed to repeat their efforts with budded plants.

In general budded roses are the most satisfactory, because the plants are stronger at the start and they continue so. They produce more and larger blooms, and if they are watched and the suckers removed when they appear, no trouble will ensue. How to distinguish the stock from the budded variety is not by any means difficult if pains be taken to study the difference. On request any gardener will cheerfully point out to the amateur the points of distinction and when once they are recognized and understood, no difficulty will be experienced. But there are many who will insist on having own root plants and I believe their wishes should be respected.

### Diseases and Insect Foes.

I will not take your time mentioning remedies for the control of disease or the destruction of pests, but I will say that if the plants are maintained in a healthy condition by stirring the soil, watering frequently, removing blooms, and diseased foliage, they will not be troubled seriously. Weakly plants are the victims of insects and diseases and it is the duty of every rose grower to furnish ample nourishment health. It is a mistake to conclude that rose culture is unsatisfactory, if not impossible, because of insect pests and diseases.

### Pruning.

If there is one cause more important than another for the failure of roses, we would attribute it to faulty pruning or perhaps to an entire lack of pruning at planting time. Thousands of roses are planted annually without being pruned at all, either the tops or the roots and consequently fail and the seller has to take the blame. At planting time it is absolutely necessary that this operation should receive attention or loss will ensue. Dormant plants should always be cut back to two or three eyes when set out and in this way growth is insured. Each year thereafter in the Spring they should be cut back to two or three eyes. Some varieties need hard pruning, others moderate pruning.

### Out of Door Roses.

For growing out of doors beginning with the hardiest, those adapted to the severest climates and requiring the least care and attention I would name the Japan Roses *rugosa* and their hybrids. Extra hardiness is the distinguishing and most valuable character of this family although their showy and handsome foliage and fruit are almost as important qualifications. The single red and single white varieties are quite well known and have been extensively used for shrubberies, hedges, as well as single specimen plants. *Atropurpurea* is a very beautiful single, bearing maroon crimson flowers. Mrs. Anthony Waterer having semi-double deep crimson fragrant blooms in clusters, has special value. Agnes Emily Carman with semi-double crimson flowers is one that has been planted quite largely—being much esteemed in some places. Madam Georges Bruant bearing large, double white flowers in clusters is a beautiful rose as is *Blanc Double de Coubert*, a large and showy double white form of *rugosa alba*. This will be prized by all on account of its large well formed blooms. Conrad F. Meyer of recent introduction is a rose with a great fu-

ture. The flower is very large, well formed, of a silvery rose color and highly petaloned. Continuous flowering may be added to the list of its good qualities. Of still later introduction is Nova Zembla, equally free flowering and with well formed bloom of a pearly white color. Parfum de Hay produces carmine red flowers and is delightfully fragrant. The rugosa roses are really shrubs possessing great vigor, and their foliage and fruit are so handsome that they are beautiful at all times. No roses that I am acquainted with are so generally useful, possessing as they do so many valuable qualities. They should be very popular and may very justly be styled, "The Rose for the Million."

#### Hardy Climbing Roses.

Climbing roses rank next in value for general use as they can be employed advantageously in so many different ways to cover buildings, pergolas, arbors, summer-houses, as well as to hide unsightly objects, and to make them attractive. In all grounds of large and small extent, there are opportunities for their employment and when used they quickly transform an objectionable or unattractive view into an interesting and delightful picture. It is simply a case of accomplishing much with a little effort and at small expense. If climbing Roses were planted as frequently as they should be, many old and unsightly buildings would be changed into things of striking beauty. The truth of this statement will be verified when touring through the country we see on every side opportunities for the improvements I suggest. Crimson Rambler introduced some years ago from Japan became popular at once and has been widely disseminated. Dorothy Perkins, Lady Gay, and Farquhar—pink varieties, are recent introductions of the highest merit, all three are distinct and should be included in a collection. Rubin yields ruby red flowers in great profusion. Hiawatha, a new sort, bearing large, single, scarlet flowers with golden centers is one of the most remarkable varieties yet introduced, and it will undoubtedly become the greatest favorite of them all. The flowers are produced in great clusters, are wonderfully durable, and appear in mid-summer. To call it a grand new rose of the greatest value is not praising it too highly. Leuchtstein a German introduction producing large single, cineraria like flowers in bunches, bright rose with large white eye, is novel and interesting.

Tausendschon or a Thousand Beauties is one of the latest additions to this family. It bears abundantly very large flowers for its class, of a pale pink color and it bids fair on account of its size to become greatly esteemed. Helene, Queen Alexandra, Waltham Rambler and Wedding Bells are also desirable kinds. Each one has merits of its own, and I might add several others but the list would be too extended.

What picture could be more beautiful to look upon than an arbor or pergola covered with the rose, the branches hanging over in festoons and bearing thousands of blooms. I do not think we appreciate how valuable climbing are for the embellishment of

buildings and garden structures, and how beautiful and attractive we can make our homes with them. The latest novelty is one called Trier, a pale pink rose, small, almost single, and borne in large clusters. It is said to be the first of a new race of Roses, valuable on account of its being constantly in bloom.

#### Hybrid Perpetual Roses.

The so called Hybrid Perpetual Roses constitute the main reliance for blooms for garden and house decoration. If they were perpetual their value would be greatly enhanced, but as it is there is nothing to take their place. They do not flower as long as we could wish, but when in bloom there is nothing that equals them, hence they are valued more than any other Roses. The old and well known General Jacqueminot is still a favorite on account of its vigor and hardness. M. P. Wilder has beautiful, well formed, rich dark red blooms, and delicate fragrance, and Mrs. John Laing is almost perpetual, and bears profusely blooms of a beautiful pink shade. Frau Karl Druschki is a new white, extremely floriferous and almost perpetual, and although only brought to notice a year ago has already attained the distinction of being called the best hardy white rose. Paul Neyron, the Peony Rose, is so large as to command attention everywhere, notwithstanding its coarseness. If cut when in bud or partly open it is admirable and it should never be omitted from the garden. Ulrich Brunner is a red rose very valuable for cutting as the flower is showy and the stem is free from thorns. Earl of Dufferin is a velvety crimson rose of perfect form, has a delightful fragrance, and is in every respect an exquisite rose. American Beauty which does so well under glass does not succeed out of doors. I regret to say. Clio is a large flesh colored rose, shaded with rosy pink, a most delightful combination rendering it a general favorite. Baron de Bonstetten is one of the best very dark Roses,—a good flower, produced abundantly and it justly deserves a high place in a collection. Other meritorious varieties are Magna Charta, Captain Hayward, Francois Michelin, Mad. G. Luizet, Marchioness of Londonderry, Margaret Dickson and Prince Camille de Rohan. Hugh Dickson, a crimson rose sent out a year ago, gives promise of great value. I might enumerate many other H. P.'s which should be grown but I will not make the list too long.

(To be Continued)

#### ABOUT IRIS.

On page 67 of HORTICULTURE, John Thorpe writing under the above heading concludes his article "Somebody, some day, will write a popular Iris Book."

May I say that the best and cheapest book I know of is, "The Book of the Iris" by R. Irwin Lynch. It is one of the series of "Handbooks of Practical Gardening." Over 200 pages of text and a number of process illustrations are given.

C. HARMAN PAYNE.

This book can be supplied by HORTICULTURE: price \$1.08 postpaid.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

## ORCHIDS

Our importation has arrived in Perfect Condition

C. Gigas Sanderiana, C. Percivaliana,  
C. Gaskelliana, C. Mossiae.

Expect C. Mendelli shortly.

ORDONEZ BROS., Madison N. J.

## ORCHIDS

Arrived in excellent condition, a large shipment of  
CATTLEYA SCHROEDERAE, finest type known.  
Also C. Trianae and C. Uoviana. Due in two weeks  
C. Gigas (Hardy type), C. Chrysotoxa, Peristeria elata, Miltonia Vexillaria, Odontoglossum Harryanum and O. luteo-purpureum, Sceptrum

WRITE FOR PRICES

LACER & HURRELL, Summit, N. J.

## IMPORTED ORCHIDS

Arrived in Superb Condition

Vanda coerules, Cattleya Trianae,  
Cattleya gigas Sanderiana, Cattleya Schroederiae, Oncidium varicosum.

JULIUS ROEHRS CO., Rutherford, N. J.

## ORCHIDS

Arrived in fine condition, C. Mossiae, C. Percivaliana, C. Trianae, C. labiata, C. gigas Sanderiana, C. Harris-oniae, C. Schroederiae, C. citrina Den. Formosum giganteum, D. Wardianum, D. Findleyanum, Oncidium Varicosum Rogersii, O. Tigrinum, O. Ornithorhynchum, Laelia anceps. To arrive shortly, Vanda Coerulea, Cattleya Gaskelliana, C. Mendellii, Phalaenopsis Amabilis, P. Schilleriana.

CARRILLO & BALDWIN, Secaucus, N. J.

## ORCHIDS

Orchid Baskets and Peat

Write for Prices

JOSEPH A. MANDA

191 Valley Road - WEST ORANGE, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....\$0.00 per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.



Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue



'XTRA!

'XTRA!!

'XTRA!!!

All about the terrible shortage in the larger sizes of *Lilium Harrisii* which amounts to over 50 per cent. There are absolutely no more in the market. Wise growers are planting

## COLD STORAGE LILIES

*Lilium Longiflorum Giganteum* potted September 1st to 15th will flower for Thanksgiving and up to new year, *Lilium Speciosum Album* for Easter. This is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

## COLD STORAGE LILIUM GIGANTEUMS AND SPECIOSUMS, ETC.

Our stock of cold storage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

### LILIUM LONGIFLORUM GIGANTEUM.

7-8 inch, 250 bulbs in a case....	\$15.00 per case;	\$6.50 per 100;	\$60.00 per 1000
7-9 inch, 300 bulbs in a case....	21.00 per case;	8.00 per 100;	70.00 per 1000
8-10 inch, 200 bulbs in a case....	19.00 per case;	10.50 per 100;	100.00 per 1000

### LILIUM SPECIOSUM ALBUM.

8-9 inch, 160 bulbs in a case....	\$10.00 per case;	\$6.50 per 100;	\$60.00 per 1000
9-11 inch, 100 bulbs in a case....	10.00 per case;	10.50 per 100;	100.00 per 1000
11-13 inch, 100 bulbs in a case....	18.00 per case;	18.00 per 100;	175.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,**

342 WEST 14TH ST.,  
NEW YORK CITY

**CUT ASTERS** 50c to \$1.50  
per hundred

**CUT GLADIOLI** \$3.00 per  
hundred

**ALTIMO CULTURE CO.**

Canfield, Ohio.

### USEFUL BOOKS.

Roses and How to Grow Them. By Many Experts. Price, \$1.10.  
The New Cyclopaedia of American Horticulture. L. H. Bailey. Four volumes; \$20.00.  
How to Make School Gardens. H. D. Hemenway. Price, \$1.10.  
How to Make A Fruit Garden. S. W. Fletcher. Price, \$2.20.  
How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.  
How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.  
The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.22.  
The First County Park System. F. W. Kelsey. Price, \$1.25.  
Manual of the Trees of North America. C. S. Sargent. Price, \$6.00.  
Soils: How to Handle and Improve Them. S. W. Fletcher. Price, \$2.20.  
The Art of Landscape Gardening, by H. Repton. Price \$3.20, postpaid.  
A Plea for Hardy Plants. J. Wilkinson Elliot. Price, \$1.76.

Water Lilies and How to Grow Them. Henri Huss and H. S. Conard. Price, \$1.21.

How to Make a Flower Garden. Price, \$1.76. By Various Experts.  
Ferns and How to Grow Them. G. A. Woolson. Price, \$1.21.

HORTICULTURE PUB. CO.,  
11 Hamilton Place, BOSTON

**Gloire de Lorraine Begonia**  
2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

**DAHLIAS.** Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N.J.

### BULBS FOR FORCING

Roman Hyacinths, *Lilium Harrisii*, Freesias, Tulips and Dutch Hyacinths.  
**PERENNIAL FLOWER SEEDS.**  
New crop for present sowing.  
Special prices on application.  
Sure Crop **Mushroom Spawn**, \$8.00 per 100 lbs.  
Seed Merchants & Growers  
**Weeber & Don,** 114 Chambers St., New York

**LILIUM HARRISII  
LONGIFLORUM  
MULTIFLORUM**  
White Romans, Freesias  
**WM. ELLIOTT & SONS**  
42 Vesey St., New York

**Harrisii and Longiflorum, Freesias**

French and California Grown.

**ALSO PURITY FREESIAS AND OXALIS.**  
Now in and Ready for Delivery.

**H. E. FISKE SEED CO.**  
12 Faneuil Hall Sq., BOSTON, MASS.

**HYACINTHS, TULIPS, NARCISSI  
AND OTHER BULBS**  
**ROMAN HYACINTHS** and the true  
**PAPER WHITE GRANDIFLORA**  
Ask for our Wholesale Trade List at Hillegom  
**K. VELTHUYS, Hillegom, Holland**  
Rep. by **FELIX BOSCH**, 260 Clarendon St., Boston.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES  
PLANTS  
BAMBOO STAKES**

## Seed Trade

Freezing weather in the northwest causes great anxiety for the corn crop, especially in view of the present fine prospect. It is confidently asserted by good judges that two weeks more of warm weather would have placed field corn beyond the danger zone, excepting in the altogether improbable event of a sudden drop in the mercury half way to zero. Sugar corn in the west, and in fact everywhere, is late, and warm, favorable weather throughout the month of September is needed to properly mature it for seed, and a bright, warm autumn will be required to cure it, else there will be a repetition of last year's unsatisfactory seed—low vitality and disappointing germination.

Reports from North Dakota and the Canadian northwest indicate serious damage to spring wheat, and what little corn is grown in those sections has probably been put out of service. According to reports, the mercury dropped to 7 below freezing in North Dakota and 9 below in British Columbia. This is a radical reversal of form in the matter of temperature from a few weeks ago, when the mercury stood at 95 and even as high as 105 in the shade. These must be fine climates for "infants and invalids."

Onion seed harvesting is proceeding in California, and early predictions of a large yield seem to be amply sustained, notwithstanding a last final effort from that section to create a contrary impression.

Vine seed crops are in the same category as corn, and are in imminent danger of being ruined. This is particularly true of muskmelons. Reserves carried from last year are very small as a rule, and of many of the leading varieties there are absolutely none, therefore, a crop failure this year would mean famine prices and no mistake. There are considerable reserves of squashes, watermelons and cucumbers, and a partial crop failure on these lines would have a tonic effect on prices without proving a great hardship.

There are many reports that market gardeners have allowed a large part of their bean crops to mature for seed, because they could not be sold at a profit in the green state. This is undoubtedly true of some districts, but just how general it is cannot be stated at this time. Attention was called to these reports some time ago, and if they prove correct, will certainly affect the demand for seed beans, and be an important factor in determining prices later on.

The seed bean crop is late, however, and an early frost would play havoc with it, therefore every bushel of beans raised by market gardeners may be needed. A week or two more will tell the story.

The fact that green beans have been so abundant has not apparently cheapened the price to the consumer to any appreciable degree, which suggests poor methods of distribution and in fact they are. There is little

doubt that if the farmers who raised the beans, and the consumers could have been brought together, it would have been greatly to their mutual benefit. All the apparent surplus would have been consumed, and the farmers would gladly have disposed of it at reduced prices which would have been within the reach of all but the really poverty stricken. Every year thousands of dollars' worth of fruits and vegetables are thrown away or allowed to waste in the vicinity of New York, simply because the consumer and distributor do not get together. Our methods of distribution are still very primitive and have made little improvement in fifty years. Transportation of course has vastly improved, but that is not distribution. Whoever can perfect a practical plan of distribution, that is simple and workable, and will bring producer and consumer together, and particularly the city consumer, will confer a boon on his fellowman.

T. J. Grey of Boston is spending a week in Nova Scotia, combining business and pleasure.

N. J. Olson Co., of Minneapolis, has purchased the business of John Costain at Fargo, N. D. Dwight Simmons of Fargo will be manager.

### PUBLICATIONS RECEIVED.

Proceedings of 26th Annual Convention of the American Seed Trade Association, held at Detroit, Mich., June 23, 24 and 25, 1908, including a Topical Index of Annual Reports from 1883 to 1907 inclusive and the Proceedings of the Congress of Horticulture, at the Jamestown Exposition, Sept. 23, 1907. This makes a volume of 265 pages filled with matter of vital interest to the trade whose interests this Association works so hard to protect. The frontispiece is a fine portrait of ex-president George F. Green.

"Hand Book of Cultural Notes on Roses and Other Interesting Items," by Frank P. Brigham, Lockport, N. Y. This is a little pamphlet of 16 pages, concise and practical in every line; not a superfluous word in it. Its dedication is as follows:

"This little book is dedicated to 'The Rose', the queen of flowers, and I hope it will be of some little service to any and all growers into whose hands it may fall."

It treats on the care of roses under glass only. Some of the topics are Compost Heap, Planting, Tying, Cutting, Mulching, Airing, Spraying and Watering, Cultivating, Holding Over, Firing, Eel Worm, Thrips, Don'ts, House Cleaning, Prolonging Life of Greenhouses, etc.

Fifty-fifth annual report of the Massachusetts State Board of Agriculture, together with the 20th annual report of the Massachusetts Agricultural Experiment Station. This is a document of great value to anyone interested in agricultural development on modern intensive lines and in its completeness and thorough consideration of the topics of most vital interest to the welfare of those engaged in the tillage of the soil and other rural pursuits is an appropriate addition to the long list of publications of a similar character which the State of Massa-

chusetts has given her citizens. Among the contents most interesting to the horticulturist are papers on Market Gardening, by Prof. H. F. Hall; Breeding and Raising Garden Seeds, by W. W. Tracy; Massachusetts Fruit Trees and Their Insect Foes, by Dr. H. T. Fernald; Report of Committee on Gipsy Moth, Insects and Birds; Plum Culture in Massachusetts, by Prof. F. A. Waugh; Greenhouse Pests and Their Control, by Dr. H. T. Fernald, and Statutory Bird Protection in Massachusetts, by E. H. Forbush.

### CATALOGUES RECEIVED.

Wm. Elliott & Sons, New York.—Autumn Wholesale List of Selected Bulbs and Seeds for Fall Sowing.

J. M. Thorburn & Co., New York, N. Y.—"Thorburn's Bulbs," 1908. A selected list of varieties for fall planting.

C. C. Morse & Co., San Francisco, Cal.—Illustrated Folder of New Spencer Sweet Pea Selections. Nine of the finest varieties are offered.

S. G. Harris, Tarrytown, N. Y.—Summer Supplement to General Catalogue of Plants, Shrubs, Roses, Trees and Spring Flowering Bulbs.

Conard & Jones Company, West Grove, Pa.—New Floral Guide, Autumn 1908. Cover illustrations in colors are Peony Edouard Andre and tulips.

Weeber & Don, New York City.—Catalogue of Bulbs, Roots, Seeds, for Fall, 1908. The title page is adorned with a fine bunch of lily of the valley, in green and white.

Ionis Pottery Company, Ionia, Mich.—Catalogue of Florists' Wire Designs. A unique publication in that it illustrates not only the wire forms but the completed floral work.

Frantz De Laet, Contich, Belgium.—General list of Cacti and other succulents. This useful and very comprehensive list is profusely illustrated with beautiful half-tone engravings of cacti in bloom.

Wm. Baylor Hartland & Sons, Cork, Ireland.—Rare May-Flowering Tulips, Narcissi and Daffodils. A handsomely illustrated catalogue in which are listed, in addition to the standard varieties a number of new seedlings of Irish origin.



### STRAWBERRIES

STANDARD SORTS

Full Crop Next Summer if

Planted Early

POT GROWN PLANTS

Ready July 1st

\$3.00 per 100 \$25.00 per 1,000

Illustrated Catalogue Free.

R. & J. FARQUHAR & CO.

Tel. 1470 Richmond BOSTON

### POT GROWN STRAWBERRY PLANTS

Set in August and September will give a full crop next June. Our new method of growing them gives fine roots. C. S. FRATT, Reading, Mass. Send for Catalogue.

**EASTER LILY BULB PROSPECTS.**

The crop of Azores Longiflorum is being delivered short this year and the percentage of 9 to 11-inch bulbs will not run more than 10 per cent. of orders. This is owing to dry weather and to conditions similar to those in Bermuda this year.

Seitaro Arai, Yokohama, writes under date of August 2nd that the digging of Multiflorum and Longiflorum has begun and that there are many doubles and triples and the singles have grown from 1 to 11-4 inches smaller than usual. It would therefore appear that the crop is not as good as expected. Some growers planted Giganteum in the rice fields last fall and as a consequence many Giganteums have rotted; the quantity estimated lost on this account is between 500,000 and 600,000 exportable bulbs. Some are so entirely rotted that they will not leave any form of bulbs under the green lily plant. Those planted on elevated ground and in the mountainous localities are very much better. From this information crop prospects are not very encouraging and short deliveries would not be unexpected.

**FREIGHT RATES FROM JAPAN.**

The Japanese exporters are somewhat troubled over the freight market to this country and write that the conditions are unsettled and they fear higher rates. It is likely they have been unable to make their usual contracts owing to the recent ruling of the Interstate Commerce Commission in this country, compelling the railroads to publish their rates, thus abolishing the through rates in connection with the Pacific steamship companies. If the overland freight rates are raised it will greatly affect the selling prices of Japanese lily bulbs, which weigh very heavy in the aggregate.

The Chamber of Commerce Reports at Yokohama as follows: "The exports of lily bulbs as edible food is fast increasing. The total export during last year reached over 500,000 yen in value. The sale this season is expected to show some increase compared with the previous year."

Edible bulbs are chiefly speciosum and especially the variety magnificum. Ed.

**SWEET PEAS**

Zvolanek's Winter Flowering

**Christmas Pink.** Pink and white.  
**Flurence Denzer.** Pure white.  
**Mrs. Edie Wild.** Carmine red. Per oz.  
25c; per ¼ lb. 75c; per lb. \$2.00.

**Newer Varieties**

**Le Marquis.** Dark blue.  
**Mrs. Alex Wallace.** Lavender.  
**Mrs. F. J. Delansky.** Daybreak pink.  
**Mrs. Wm. Sim.** Salmon pink. Per oz.  
50c; per ¼ lb. \$1.50; per lb. \$5.00.

**MICHELL 1018 MARKET ST.  
PHILA., PA.**

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

**Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify**

**Thorburn's  
Bulbs**

Roman Hyacinths,  
Bermuda Easter Lilies  
Narcissus Paper White Grandiflorus  
Freesias, etc.

Seeds of our Magnificent Strain  
Cyclamen Giganteum, Asparagus plu-  
mosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**Florists Mignonette**  
**FOTTLER'S ECLIPSE.**

Greenhouse Grown Seed in trade packets of about  
2000 seeds, \$1.00.  
Finest Strain Ever Offered — Immense spikes,  
highly colored and fragrant.

**PANSY.** Special strain for florists. Trade  
pkt. 50 cents. Per oz. \$5.00.  
Choice Strains of Florists' Seeds and Bulbs  
OUR SPECIALTY.

Trade Catalogue on Application.

**SCHLEGEL & FOTTLER CO.,** Seedsmen,  
BOSTON, MASS.

Mention HORTICULTURE when you write.

**SOW NOW MY STRAIN OF  
Hardy Garden Carnations**

as;	Per Oz.	Tr. Pkt
Special Mixture of extra double flowers, \$2.50	30	
Dwarf Scarlet Grenadin	2.00	30
Early Dwarf Vienna, finest mixed	1.00	20
New Early White Vienna, fine for cut	1.50	20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed	4.00	50

**O. V. ZANGEN, Seedsmen**  
HOBOKEN, N. J.

In ordering goods please add  
"I saw it in HORTICULTURE."

**CAULIFLOWERS  
CABBAGE**

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**BRASLAN SEED GROWERS CO.**

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - CALIFORNIA**

**BRECK'S SEEDS**

For Farmer, Market Gardener and Florist  
New Crop High Grade

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit.

**JUST ARRIVED**  
LARGE SHIPMENT OF  
**High-Grade SCOTCH SOOT.**

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON

**Winter-flowering  
SWEET PEA SEED**  
All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANER**  
ORIGINATOR. BOUND BROOK, N. J.

**SKIDELSKY & IRWIN CO.**

144 No. 7th St.

PHILADELPHIA, PENNA.

**LONG ISLAND CABBAGE  
CAULIFLOWER**

and other CHOICE SEEDS for DEAL-  
ERS TRUCKERS and PLANT  
GROWERS.

Get My Price List Free.

FRANCIS BRILL, Hempstead, (L. I.) N. Y.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .**  
**High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.**  
**CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Boston Visitors: Carl Klebart, florist  
and tree warden of Webster, Mass.; J.  
Resnes, Philadelphia.

Shis & Groot, Enkhuizen, Holland,  
announce that they have taken into  
partnership S. Groot, the eldest son  
of then Mr. S. Groot.

James R. Paul of New York has  
taken a position at Lake Forest, Ill.,  
as superintendent of Walden, the estate  
of Cyrus H. McCormick.

### MOVEMENTS OF GARDENERS.

A. Bauer, who has had charge of  
the Daniel O'Day estate at Deal  
Beach, N. J., for the past eight years,  
has resigned that position and will  
take the superintendency of the es-  
tate of H. Goldmanns at South El-  
beron, on September 1. Mr. Bauer is  
the efficient secretary of the Elberon  
Horticultural Society.

### STEAMER DEPARTURES

#### Allan.

Tunisian, Montreal-Liverp'l...Sept. 4  
Victorian, Montreal-Liverp'l...Sept. 11

#### American.

St. Paul, N. Y.-Shampton...Sept. 5

#### Atlantic Transport.

Minnetonka, N. Y.-London...Sept. 5

#### Cunard.

Mauretania, N. Y.-Liverp'l...Sept. 2  
Carmania, N. Y.-Liverp'l...Sept. 5  
Ivernia, Boston-Liverpool...Sept. 8

#### Hamburg-American.

Amerika, N. Y.-Hamburg...Sept. 3

#### Leyland.

Winifredian, Boston-Liverp'l...Sept. 2  
Devonian, Boston-Liverp'l...Sept. 9

#### North German Lloyd.

Kronpr. Cecille, N. Y.-Br'n...Sept. 1  
Kronpr. Wm., N. Y.-Bremen...Sept. 8  
Kaiser Wm. II., N. Y.-Br'n...Sept. 15

#### White Star.

Tentonic, N. Y.-Shampton...Sept. 2  
Baltic, N. Y.-Liverpool...Sept. 3

### NEWS NOTES.

D. M. Andrews, collector and grower  
of Rocky Mountain shrubs and flowers,  
has more than doubled his plant, se-  
curing a very choice piece of land a  
few miles from Boulder, Colo. Mr.  
Andrews has done much to bring the  
treasures of the Rockies to public  
notice.

H. R. Mosnot, of Denver, Colo., has  
purchased Mauff's greenhouses at  
Westminster, a Denver suburb. With  
these he has forty acres of good land  
under ditch. Mr. Mosnot proposes to  
put in a large collection of ornamen-  
tals, peonies and perennials, to supply  
the mountain regions.

C. S. Harrison's Select Nursery, York,  
Neb., has outgrown the strength of  
the proprietor and he has sold a half  
interest to H. S. King. They have  
doubled their plant and are securing  
control of many novelties including  
several of Hansen's new productions.  
We understand they have associated  
with a leading peony grower and can  
now draw from a peony collection of a  
quarter of a million. They will carry  
on both wholesale and retail business.  
Associated also with this nursery is  
the Elmwood Select Nursery, under  
the care of Frank Brown at Paynes-  
ville, Minnesota.

### Chicago.

Established in 1857



1652-1659 Buckingham Place

L. D. Phone 558 Lake View. Send us your retail orders.

We have the best facilities in the city.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

JACOB SCHULZ, 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."

# A Niagara Conquest

Throngs of Visitors at the S. A. F. Trade Exhibition pronounced our Exhibit to be the Finest Display of **NEW NOVEL AND APPROPRIATE** Florists' Supplies ever made on the American Continent.

And they backed it up with large orders for immediate delivery.

**REMEMBER** We have the goods you will need to start the fall trade successfully. In variety, quality and price they are unrivalled. Write for descriptive list. Order early.

**H. BAYERSDORFER & CO.**  
The Representative Florists' Supply House of America  
1129 Arch St., Philadelphia

## COMING EVENTS.

Washington, D. C., Florist Club of Washington, Chrysanthemum Show, Masonic Temple, September 12, 13, 14.

Boston, Mass., Massachusetts Horticultural Society, exhibition of the products of children's gardens, Sept. 5, 6; Autumn exhibition, Sept. 11, 12, 13; exhibition of fruits and vegetables, Oct. 10, 11; Chrysanthemum show, Nov. 6, 7, 8, 9.

Boston, Mass., New England Dahlia Society, Tremont Temple, exhibition, Sept. 17, 18, 19.

White Marsh, Md., Maryland Horticultural Society, with R. Vincent & Sons, Sept. 22.

New York, N. Y., American Institute of New York, exhibition, Sept. 22, 23, 24, Berkeley Lyceum Building.

Hartford, Conn., Connecticut Horticultural Society, fall show, Sept. 23; chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Menlo Park, Calif., Menlo Park Horticultural Society, exhibition, Oct. 15.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November.

Shreveport, La., State Fair, November 3, 4, 5.

Red Bank, N. J., Monmouth County Horticultural Society, show, Nov. 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, show, Nov. 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

Baltimore, Md., Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

## NEWS NOTES.

Auction sales of stalls in the two flower markets in Boston, are announced for August 29, each at the same hour, viz., 9 a. m.

Cyrus A. Smith, who has been in the florist business at Putnam, Conn., for forty years, has disposed of his stock at auction and retired from business.

S. P. Donaghy, of New Bedford, Mass., while working in his greenhouse August 19, was struck by a falling section of pipe, and received a severe scalp wound.

J. H. Morton, superintendent of Mt. Hope Cemetery, Boston, has resigned from that position, following an investigation into the sale of some land to the city by Mr. Morton. The investigation showed nothing to Mr. Morton's discredit and the trustees so declared by a unanimous vote. The mayor, for some reason which does not appear, disagreed with the trustees on the matter and Mr. Morton, satisfied that he had been fully vindicated by the vote of the trustees, sent in his resignation. Four or five gentlemen well-known in the florist business are mentioned as candidates for the vacancy thus created. Mr. Morton is not likely to have any difficulty in locating himself in an equally lucrative or better position elsewhere but his going away will be a great loss to the horticultural fraternity of Boston by whom he is held in the highest esteem. He is an ex-president of the Gardeners' and Florists' Club.

Mr. Morton was presented on the evening of August 20 with a silver loving cup and easy chair at his home by seventy of the cemetery workmen.

Mr. Morton has always been a great favorite with his men. All the employees of the cemetery gathered at the cemetery stables and marched to the home of Mr. Morton.

The affair was a complete surprise and Mr. Morton was deeply affected by the tribute. He responded most feelingly, and following came an evening of song and fun.

## NEIGHBORHOOD FLOWER SHOWS.

Newburyport, Mass., City Improvement Society, August 29.

Easthampton, Mass., September 5.  
Walham, Mass.—Home Garden Association, September 19.

## OBITUARY.

Patrick H. Meehan.

Patrick H. Meehan, a well-known rose grower, passed away this week at his home in Philadelphia. For the past two years he had been in charge of Charles E. Meehan's greenhouses in Germantown. He was widely acquainted in various parts of the country, having worked for Harvey & Co., Richmond, Va.; F. H. Kramer, Washington, D. C.; Joy & Son, Nashville, Tenn.; Myers & Santman, Wyndmoor, Pa.; Dingee & Conard Co., West Grove, Pa., and the Good & Reese Co., Springfield, O. He was an enthusiastic raiser of seedling roses, many of which have found their way into commerce. Two of his most successful varieties are Robert E. Lee and Wyndmoor.

Clarence Peniston.

We regret very much to report the death of Mr. Clarence Peniston, of Hamilton, Bermuda. Mr. Peniston was one of the first growers of Harisii and was held in very high esteem by all those who knew him.

## INCORPORATED.

King-Thurman Nursery Co., Kalispell, Mont.; capital, \$10,000.

Starke Company, New York, shrubs, flowers, etc.; Anna M. Starke, E. Schumacher; capital, \$15,000.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

**BOSTON**

and all

**NEW ENGLAND POINTS**

**THOS. F. CALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

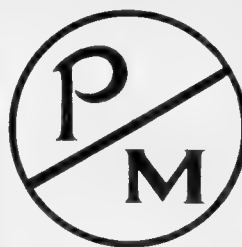
Fine Design Work a Specialty



## NIESSEN American Beauty Roses

New Crop—Extra Choice  
SUMMER PRICES

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.  
After June 27th Store closes 6 p. m.



QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

EASTER LILIES, \$12.50 per 100  
VALLEY, Extra Choice

The "Come-again" kind.  
\$3.00 and \$4.00 per 100

LATE ASTERS, Very Fine  
\$1.50 and \$2.00 per 100

SPECIAL  
SPHAGNUM MOSS

5 bbl. bales at \$2.50 per bale.  
5-5 bbl. bales for \$10.00.

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
45-47-49 WABASH AVE., CHICAGO

## FANCY LATE ASTERS

CHOICE QUALITY

**W. E. McKISSICK** WHOLESALE FLORIST  
PHILADELPHIA

1619-1621 RANSTEAD ST.

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.  
Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

## E. A. BEAVEN

**Southern Wild Smilax,**  
Log Mosses,

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 98

In ordering goods please add "I saw it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES

LILY OF THE VALLEY, CARNATIONS

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Aug. 25		Aug. 24		Aug. 25		Aug. 27	
ROSES								
Am. Beauty, Fancy and Special.....	20.00	to 30.00	20.00	to 30.00	.....	to 25.00	15.00	to 25.00
Extra.....	15.00	to 20.00	18.00	to 20.00	.....	to 20.00	12.00	to 15.00
" No. 1.....	10.00	to 15.00	10.00	to 15.00	.....	to 15.00	6.00	to 10.00
" Lower grades.....	5.00	to 10.00	6.00	to 8.00	6.00	to 10.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special.....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	3.00	to 4.00
" Lower grades.....	2.00	to 4.00	2.00	to 5.00	2.00	to 3.00	.25	to 1.00
Killarney, Richmond, Fan. & Sp.....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	4.00	to 6.00
" Lower grades.....	2.00	to 4.00	5.00	to 6.00	2.00	to 3.00	.50	to 4.00
Kaiserin, Carnot.....	4.00	to 6.00	3.00	to 7.00	2.00	to 8.00	.50	to 6.00
Golden Gate, Chateaufay, etc.....	2.00	to 4.00	3.00	to 7.00	2.00	to 8.00	.25	to 4.00
CARNATIONS								
Fancy and Novelties.....	1.00	to 2.00	1.00	to 1.75	1.50	to 2.00	1.00	to 1.50
Ordinary.....	.40	to 1.00	.75	to 1.00	.....	to 1.00	.50	to .75
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	.....	to 75.00	50.00	to 60.00
Lilies.....	5.00	to 10.00	3.00	to 12.00	.....	to 15.00	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Asters.....	1.00	to 5.00	.50	to 2.00	.50	to 2.00	.35	to 1.00
Gladioli.....	2.00	to 6.00	2.00	to 5.00	.....	to 3.00	1.00	to 3.00
Sweet Peas.....	.10	to .40	.25	to .50	.....	to .10	to .25	
Adiantum.....	.75	to 1.00	1.00	to 1.50	.....	to 1.00	1.00	to 1.50
Smilax.....	6.00	to 10.00	12.00	to 15.00	.....	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings.....	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 30.00
" " & Sprea. (100 bchs.)	25.00	to 50.00	35.00	to 50.00	35.00	to 50.00	15.00	to 30.00

## J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

**CUT FLOWERS**

Prices Quoted in these Columns are for Dealer Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.

## FLOWER MARKET REPORTS

Monday of each week of **BOSTON** late has brought some little activity to the wholesale markets, but by Tuesday or Wednesday the ripple has disappeared and stagnation is the order for the balance of the week. As compared with previous years, the present summer season is a disappointment. At present the market is overloaded with small, third-class roses, which are sold as low as 25 cents a hundred, and are taken by the street fakir, who loudly proclaims them at ten cents a dozen. They are a bad feature and the growers would serve the trade and themselves if they would keep them at home, as they flood the market with undesirable stock, and a large part of them cannot be disposed of at any price. American Beauty of good quality is in active demand. Comet asters of high grade are now beginning to come in, with flowers after the similitude of chrysanthemums and stems two feet long, but the price they bring—about one-third of last year's figures—is not enough to pay for growing them, and is no encouragement for the effort to produce high-class stock. Gladioli are abundant but, as usual in this market, Shakespeare has the call, and other varieties sell both low and slow. Carnations begin to appear. A few White Perfection are in evidence, of excellent quality, but the majority are pretty miserable stock, dear even at the price they bring—fifty cents a hundred.

The cooler weather has **CHICAGO** had a stimulating effect on trade. Flowers are coming in in better condition. Carnations show little improvement yet and are practically supplanted by asters. Asters are in the market by the thousand with stems from eight to fourteen inches long, and sell slowly for fifty cents to one dollar per hundred, while an occasional dealer has large blooms on stems from thirty to forty inches which sell for five and six dollars. The supply of outdoor flowers, with the exception of asters and gladioli, is diminishing, and in consequence roses are more in demand. Beauties have now good stems, and other roses are selling much better than early in the month.

The summer quiet **INDIANAPOLIS** still prevails and conditions seem likely to stay this way until the middle of September when the social season begins. We have reason to expect nice business from this source as soon as the season opens. The early asters are past and the late asters have not yet arrived and there is quite a skirmish among the retailers occasionally in securing stock to fill orders. Some very fine Beauty and Kaiserin roses are coming in but other roses retain the "last rose of summer" appearance. The lilies of various tribes and the gladioli are now the most decorative features of the retail stores. Green goods are in fair demand and supply. Some dahlias are coming in but do not sell well.

There is little to record in relation to the cut flower market other than the old story of tedious stagnation which has been the rule all through this summer. The present spell of cold weather should help a little by shortening up the crops and by inducing people to flock back into the city, where it is to be expected they might be disposed to recall the fact that florists exist. It cannot be said that any one thing is selling well. Some things do not sell at all, even to the street fakirs.

**PHILADELPHIA** Saturday was the only really good trading day last week, and was a welcome surprise. Gladioli, with the exception of America, lost ground, there being far too many of the dark colors. Asters abundant and draggy, especially in the lower and medium grades. Really fine asters were in good demand but scarce. American Beauty roses were promptly cleared, and some days there was hardly enough stock to fill orders. Good Kaiserins sold well but there was an overflow of undergrade stock. New crop Brides and Bridesmaids are coming in sparingly. Nothing extra as to quality so far. Some very good Killarneys are arriving. Orchids very scarce. Beacon and Afterglow carnations are the best of present indoor crop. Excellent outdoor Crockers are a welcome feature. There are a few straggling dahlia shipments. First week in September is quite early enough for these. Easter lilies are in unusually good demand.

### NEWS NOTES.

John Clark, florist, Cohasset, Mass., has filed a petition in bankruptcy: liabilities, \$1770.

H. M. Totman, Randolph, Vt., is installing a Witthold watering device and adding a cooling room.

The greenhouses on the estate of Frederick N. Goddard, Roslyn, N. Y., were destroyed by fire August 18.

The Lamphrey greenhouses, East Brookfield, Mass., will be opened for business at an early date, and carnations will be a specialty.

### PHILADELPHIA NOTES.

J. Otto Thilow's motion to keep the general public from the trade exhibits of the S. A. F. except on one afternoon went through enthusiastically, as it should. At Atlantic City the public was excluded except on the Thursday afternoon, when a charge of 15c. was made, not for gain, but to keep out the mob. While disarming the adverse criticism of a total embargo, it showed the S. A. F. was an educative as well as a business proposition.

Philadelphia only came in third at the convention bowling. That is disappointing in a way, and yet it may be all for the best, as a team that wins first all the time soon freezes out enthusiasm in the game. We doff our caps to Buffalo and New York.

Walter Fancourt has been appointed horticulturist for the National Farm School, Doylestown, Pa., his duties commencing Sept. 1st. Lectures and demonstrations on indoor and outdoor gardening are a part of the curriculum. Mr. Fancourt is exceptionally well fitted for this post, both from a practical and scientific standpoint.

Mr. McClements of Randolph & McClements, Pittsburg, and Harry L. Holmes of Harrisburg, Pa., were recent visitors.

Robert Buist was a guest at Fordhook on the 21st inst. The trial grounds were inspected to the enlightenment of both guest and hosts, as the shrewd comments of one of the Nestors of the seed trade were eminently worthy of noting, and even a Nestor when in an amiable and receptive mood can learn something in these extensive and up-to-date experimental grounds.

Howard M. Earl left on the 22nd inst. on a hurry call west. Expected back on the 29th inst.

### BUSINESS CHANCES.

Wm. F. Snyder succeeds the Savage Floral Co., at Hopkinsville, Ky.

John V. Lavelle will take possession of the store at 704 State street, Erie, Pa., at an early date.

Until his new building is ready for occupancy at 823 Manhattan avenue, James J. Reddy will carry on business at 417 Greenpoint avenue, Long Island City, N. Y.

## Park, Cemetery and Landscape Gardening



cannot be properly done without a dependable leveling instrument. There is nothing on the market which approaches

**BOSTROM'S IMPROVED NO. 2**  
at \$15.00 and

**BOSTROM'S IMPROVED NO. 3**  
at \$25.00

for simplicity, accuracy, compactness and durability, when price is considered. The above instruments are guaranteed, 15,000 satisfied users of these Levels backing up the guarantee. Write for description.

**BOSTROM-BRADY MFG. CO.**  
139 MADISON AVE., ATLANTA, GA.

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
87 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist **SELLING AGENT FOR  
LARGEST GROWERS**  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
GARDENIAS, DAISIES, ROSES AND CARNATIONS  
**JAMES McMANUS,** Telephone 759 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
**CUT FLOWERS**  
Open from 5 a.m. to 6 p.m. Sunday  
till 10 a.m.  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending Aug. 22 1908		First Half of Week beginning Aug. 24 1908			Last Half of Week ending Aug. 22 1908		First Half of Week beginning Aug. 24 1908	
<b>Roses</b>					<b>Carnations, Fancy and Novelties.</b>	1.00 to	1.50	1.50 to	2.00
Am. Beauty, fan and sp.	10.00 to	20.00	10.00 to	20.00	Ordinary	.50 to	.75	1.00 to	1.00
" extra	6.00 to	8.00	6.00 to	8.00	<b>Cattleyas</b>	50.00 to	60.00	50.00 to	60.00
" No. 1.	4.00 to	6.00	3.00 to	5.00	<b>Lilies</b>	3.00 to	6.00	3.00 to	6.00
Lower grades	.25 to	2.00	.25 to	2.00	<b>Lily of the Valley</b>	1.00 to	2.00	1.00 to	2.00
Bride, 'Maid, fan and sp.	2.00 to	4.00	3.00 to	4.00	<b>Asters</b>	.25 to	1.00	.25 to	1.00
" lwr. grds.	.25 to	2.00	.25 to	2.00	<b>Gladioli</b>	1.00 to	3.00	1.00 to	3.00
Killarney, Richmond, fancy & spec.	3.00 to	5.00	3.00 to	4.00	<b>Gardenias</b>	10.00 to	12.00	10.00 to	12.00
" lower grades.	.25 to	2.00	.25 to	2.00	<b>Sweet Peas per 100 bunches</b>	2.00 to	4.00	2.00 to	4.00
Kaiserin, Carnot.	.25 to	5.00	.25 to	4.00	<b>Adiantum</b>	.50 to	.75	.50 to	.75
Golden Gate, Chasenay, etc.	.25 to	5.00	.25 to	4.00	<b>Smilax</b>	6.00 to	10.00	10.00 to	12.00
					<b>Asparagus Plumosus, strings</b>	20.00 to	25.00	20.00 to	25.00
					" & Spreng. (100 bchs.)	10.00 to	20.00	10.00 to	15.00

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. **New York.**

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites

**TRAENDLY & SCHENCK**  
**WHOLESALE FLORISTS**  
Furnish best stock at fair prices all the year round Send for quotations on full orders  
Tel. 798-799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 **NEW YORK**

**FRANK S. HICKS**  
Wholesale Florist.  
Open Now for Consignments of Cut Flowers.  
39 West 28th Street, - New York City  
Tel. 2920 Mad. Sq.



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

Headquarters in Western New York

FOR

**ROSES, CARNATIONS**

And all kinds of Seasonable Flowers

**Wm. F. Kasting Co.**

Wholesale Commission Florists, also Dealer in Florists' Supplies and Wire Designs.

383-87 ELLICOTT ST.

BUFFALO, N. Y.

Give us a trial. We can please you.

**Flowers and Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2. Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**



**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNS, \$1.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.

## WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 24	DETROIT Aug. 24	BUFFALO Aug. 24	PITTSBURG Aug. 24
<b>ROSES</b>				
Am. Beauty, Fan. and Sp.....	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00
“ Extra .....	15.00 to 20.00	12.00 to 15.00	10.00 to 15.00	10.50 to 15.00
“ No. 1 .....	8.00 to 10.00	9.00 to 12.00	6.00 to 10.00	8.00 to 10.00
“ Lower grades.....	4.00 to 6.00	..... to 3.00	3.00 to 6.00	3.00 to 5.00
Bride, "Maid, F. & S.....	5.00 to 6.00	4.00 to 6.00	..... to 6.00	..... to 6.00
“ Low. gr.....	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan. & Sp.....	6.00 to 8.00	4.00 to 6.00	6.00 to 8.00	..... to 6.00
“ Lower grades.....	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot.....	5.00 to 8.00	3.00 to 6.00	3.00 to 7.00	2.00 to 4.00
Golden Gate, Chateauf, etc.....	5.00 to 8.00	3.00 to 6.00	4.00 to 5.00	2.00 to 6.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	2.00 to 3.00	..... to 2.00	1.50 to 2.00	..... to 1.00
Ordinary.....	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50	..... to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	15.00 to 35.00	40.00 to 50.00	..... to 12.00
Lilies.....	8.00 to 10.00	10.00 to 15.00	3.00 to 12.00	6.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Asters.....	..... to 4.00	1.00 to 3.00	.60 to 2.00	.50 to 2.00
Gladioli.....	..... to 4.00	4.00 to 8.00	2.00 to 3.00	2.00 to 4.00
Sweet Peas.....	.50 to .75	..... to .20	.20 to .40	..... to 1.25
Adiantum.....	.50 to .75	1.00 to 1.50	.50 to 1.50	..... to 1.25
Smilax.....	..... to 1.00	20.00 to 12.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings.....	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	35.00 to 50.00
“ & Spren. (100 bchs.).....	..... to 25.00	30.00 to 50.00	25.00 to 50.00	25.00 to 50.00

☞ The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of **EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

**For List of Advertisers See Page 305**



**ELECTRIC CIRCULATOR**  
The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.

**EVERGREENS**  
American Nursery Co., 150 Broadway,  
New York, N. Y.  
For page see List of Advertisers.  
Southworth Bros., Beverly, Mass.

**FERNS**  
A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Waltmani.  
For page see List of Advertisers.  
John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.  
Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.  
F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.  
Henry A. Dreer, 714 Chestnut St., Phila.

**FERTILIZERS**  
Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.  
Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**  
Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' GREENS**  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**FLORISTS' LETTERS.**  
Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**  
N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Need & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.  
J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.  
H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.  
M. Rice & Co., 1220 Race St., Philadelphia.

**FLOWERS BY TELEGRAPH**  
Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—**  
Continued  
Edward MacMullin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.  
H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2159-2141 Broadway,  
New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.  
Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**  
W. H. Ernest, 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.  
A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.  
Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.  
Red pots, seed pans, etc.  
The Peters & Reed Pottery Co.,  
Zanesville, O.

**GALAX**  
Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.  
For page see List of Advertisers.  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**GERANIUMS**  
R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**  
John Lewis Childs, Floral Park, N. Y.  
Gladiolus Blooms by dozen, hundred or  
thousand. Trial order, 100 blooms, mixed,  
\$1.00. J. L. Moore, Northboro, Mass.

**GLASS**  
Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.  
Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.  
Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.  
S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.  
Greenhouse glass, lowest prices. John  
ston Glass Co., Hartford City, Ind.  
GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**  
H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.  
GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATE-  
RIAL**  
Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.  
For page see List of Advertisers.  
King Construction Co., N. Tonawanda,  
New York.  
For page see List of Advertisers.  
J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.  
For page see List of Advertisers.  
Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
For page see List of Advertisers.  
Metropolitan Material Co., 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.  
S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**  
GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.  
I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.  
The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**  
Anchor grade wears well.  
Mineralized Rubber Co., New York, N. Y.

**GUTTERS**  
GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**  
Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**  
H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**HEATING APPARATUS**  
Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.  
Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**  
Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.  
P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand, Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotidie kills all greenhouse pests.  
P. B. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.  
Stuupp & Walter Co., 50 Barclay St., New York.  
Kildead Tobacco Dust.  
For page see List of Advertisers.

**IRIS**

T. C. Thurlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.  
Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.  
A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.  
The Storrs Harrison Co., Painesville, O.  
For page see List of Advertisers.  
Henry A. Droer, 714 Chestnut St., Phila.  
J. Roehrs & Co., Rutherford, N. J.  
Belmoreana and Forsteriana.  

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00

Made-up Kentia Forsteriana.... 6.00 72.00  
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhanau, East Walnut Hill's, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.  
Louisville, Ky.  
For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.  
Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental Trees.  
For page see List of Advertisers.  
Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.  
P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
Holland Nursery Stock for Forcing.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway, New York, N. Y.  
Hardy Garden Carnation Seed.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.  
Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.  
Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.  
Ordonez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.  
Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.  
Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries  
Roslindale, Mass.  
For page see List of Advertisers.  
Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse and Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brown & Co., Walden, N. Y.

Wm. Mathews, Utica, N. Y.  
Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**PEONIES**

T. C. Thurlow & Co., W. Newbury, Mass.  
New Peony Catalogue.  
For page see List of Advertisers.  
Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.  
Wholesale Peony list for fall 1903 is now ready. J. F. Rosenfield, West Point, Neb.  
One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

PEONIES. Humel, a beautiful pink, \$6 per 100. Ivory, fine white, \$8 per 100. Write for our catalogue of novelties. Wagner Park Conservatories, Sidney, Ohio.

Peonies. Newest of the new, and the standard old varieties. Send for catalog. George Hollis, 128 Hollis St., South Weymouth, Mass.

**PEONIES — Continued**

Peonies, Iris and Phlox. A new catalogue with cultural directions. Cherry Hill Nurseries, West Newbury, Mass.  
Cottage Gardens Co., Queens, N. Y.  
Peonies, largest collection anywhere, 1200 sorts, big stock of Couronne d'Or, Felix Crousse, O. Demay, etc. C. Betscher, Canal Dover, Ohio.

**PHLOXES**

T. C. Thurlow & Co., W. Newbury, Mass.  
For page see List of Advertisers.  
Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$1.50 per 100. C. S. Harrison's Select Nursery, York, Neb.  
Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.  
Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.  
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 393 Boylston St., Boston.  
For page see List of Advertisers.  
Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.  
H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.  
Young & Noyes, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**For List of Advertisers See Page 305**

**RHODODENDRONS**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Mald.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Grafted Roses. Own Roots.  
For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Grafted Bride and Carnot Roses.  
For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No.  
1-2, \$65.00 1000. H. T. Jones, Elizabeth,  
N. J.

Roses, strong, own root, 4 inch Chatenay,  
Killarney, Richmond and Mald, \$8 per 100.  
Fine stock. Siebrecht & Son, New Roch-  
elle, N. Y.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

T. J. Grey Co., 32 So. Market St.,  
Boston, Mass.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Riddington, 342 W. 14th St.,  
New York.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Sweet Pea Seed  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Bickards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market  
St., Boston.  
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

Stokes' Seed Store, 219 Market St., Phila.  
Stokes' Standard Pansy Seed.

C. C. Morse & Co., 48-56 Jackson St.,  
San Francisco, Calif.  
For page see List of Advertisers.

Schelegel & Fottler Co., Boston.  
Mignonette, Pansy Seeds.  
For page see List of Advertisers.

Skidelsky & Irwin Co., 144 N. 7th St.,  
Philadelphia.  
For page see List of Advertisers.

**SMILAX**

Smilax, strong, from 2 1/2 bbl. \$25.00  
per 100. Cash. L. E. Marquison, Syracuse,  
N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. Lager &  
Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales,  
\$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash.  
H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay,  
So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**STRAWBERRY PLANTS**

R. & J. Farquhar & Co.,  
6 and 7 So. Market St., Boston.  
Pot-Grown.

For page see List of Advertisers.

**SULFUR BURNER**

Benj. Dorrance, Rose Growers,  
Dorranceton, Pa.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.  
The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New  
Model encased, self-oiling gear; Standard  
Model Open Gear. Lord & Burnham, 1183  
Broadway, N. Y.

**VIOLET PLANTS**

Field-grown Violet Plants, large and  
fine clean stock. Campbell, Princess of  
Wales and Gov. Herrick, \$4.50 per 100.  
Cash with order. R. Engelman, Pitts-  
field, Mass.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.  
Welgel & Uffalussy, 136-138 W. 28th St.,  
New York.

Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40  
Broadway, Detroit, Mich.

Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston  
For page see List of Advertisers.

**Buffalo**

Wm. F. Kasting Co., 353-87 Ellicott St.,  
Buffalo, N. Y.  
For page see List of Advertisers.

**WHOLESALE FLORISTS—****Continued****Chicago**

Chas. W. McKellar, 51 Wabash Ave.,  
Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave.,  
Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40  
Broadway, Detroit, Mich.

For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

**New York**

J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New  
York.

For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New  
York.

For page see List of Advertisers.

Moore, Heutz & Nash 55 and 57 W. 26th  
St., New York.

For page see List of Advertisers.

Frank S. Hicks, 39 W. 28th St., New York.  
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Philipp F. Kessler, 55 and 57 W. 26th St.,  
New York.

For page see List of Advertisers.

Milang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

**Philadelphia**

W. E. McKisick, 1619-1621 Ranstead St.,  
Philadelphia, Pa.

For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadel-  
phia, Pa.

For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-18  
Ludlow St., Philadelphia, Pa.

For page see List of Advertisers.

Berger Bros., 1305 Filbert St., Philadelphia.

**Pittsburg**

J. B. Murdoch & Co., 714 Penn Ave., Pitts-  
burgh, Pa.

For page see List of Advertisers.

**St. Louis**

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

Samuel A. Woodrow, 53 W. 30th St.,  
New York.

For page see List of Advertisers.

**WILD SMILAX**

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

# Tobacco Paper "NICO-FUME" LIQUID

IS THE  
STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.

Furnishes the  
Most Nicotine for the Money!

By far the  
CHEAPEST.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

... Manufactured by ...  
THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

## New Offers in This Issue.

### BULBS FOR FORCING.

Wheeler & Don, 114 Chambers St.,  
New York.  
For page see List of Advertisers.

### BULBS: TRADE LIST NOW READY.

J. M. Thorburn & Co., 33 Barclay St.,  
New York.  
For page see List of Advertisers.

### CALIFORNIA PRIVET, SHRUBS, ROSES, VINCA VARIEGATA.

Carlman Ribsam, Trenton, N. J.  
For page see List of Advertisers.

### CARNATION O. P. BASSETT.

Bassett & Washburn, Hinsdale, Ill.  
For page see List of Advertisers.

### FERTILIZER.

German Kali Works, 93 Nassau St.,  
New York.  
For page see List of Advertisers.

### FIELD GROWN CARNATIONS.

J. H. Playdon, Andover, Mass.  
For page see List of Advertisers.

### PEONIES, PHLOXES, IRISES.

Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.

### SMILAX.

R. Vincent Jr. & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

### STRAWBERRY PLANTS.

C. S. Pratt, Reading, Mass.  
For page see List of Advertisers.

### TREES AND PLANTS.

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

**BETWEEN YOU AND ME, What do you think of the Buyers' Directory and Ready Reference Guide of HORTICULTURE? I always look it over before I do any buying.**

## READY NOW

### PTERIS TRENUA and PTERIS ARGYREA

Strong 2½ inch pot plants, \$2.50 per 100, \$20.00 per 1000.

### ADIANTUM CROWEANUM

Beautiful 4 inch pot plants, fine for cutting, for sales or displaying, \$1 per doz., \$25 per 100.

### ARAUCARIAS

Never before better, 4 inch pot plants, 6 inch high, 2½ inch pot plants, 12 inches high, tiers, 6 inch pot plants, 14 inches high, 3 and 4 tiers, 7½ inch pot plants, 12 inches high, 4 tiers, \$1.

### PRITULA SINENSIS

Fine strain, 2½ inch pots, \$3 per 100.

THE STORRS & HARRISON CO.,

## Anything of Value

to the profession

## CAN BE SOLD

through advertising in

## Horticulture

### WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

### SITUATIONS WANTED

**SITUATION WANTED**—First class grower of Roses, Carnations and general stock; several years' experience in orchids; private or commercial. Married. M. H., care of HORTICULTURE.

**SITUATION WANTED**—In first class retail store by experienced decorator and salesman. Can furnish satisfactory references. Address J. Mortimer, 60 Clarendon St., Boston.

**WANTED SITUATION**—As forester or park foreman. Good references. Address B., care HORTICULTURE, 11 Hamilton Place, Boston.

### MISCELLANEOUS WANTS

## WANTED

250 each Winsor and Beacon Carnation Plants, stocky and field-grown. Address with price, J. Newman & Sons Corp'n, 24 Tremont St., Boston.

### PANDANUS UTILIS

2½ inch pots, \$1 per 100, 4 inch pots, \$1.50 per 100.

### SAINTPAULIA IONANTHA

(African Violet) et al. Grand pot plant, strong 4 inch stock, \$1.50 per 100.

### FICUS ELASTICA

4 inch pot, 10 to 12 inches high, \$25 per 100; 5 inch pots, 20 inches high, \$60 per 100.

### KENTIA BELMOREANA

2½ inch pot plants for centers of ferneries, \$7 per 100.

PAINESVILLE, OHIO

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

## FOR SALE

**FOR SALE TANKS.** 500 cedar brewery tanks, from 4000 to 9000 gals.; staves, 10x7 1-2 feet, 10x12 feet, etc., all marked and numbered by expert coopers; all varnished inside and outside, great for water storage or otherwise. We have already sold one hundred for the purpose; rest are going quick. While they last, \$35 to \$60 each, f.o.b. Newark. R. Gelb & Sons, 229 Livingston street, Newark, N. J.

**FOR SALE**—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

**FOR SALE**—Special—Glass for sale below cost. 16x24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parshelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

**FOR SALE**—Florist business, store and greenhouse in progressive city near New York. Full particulars on application. Address W. W., care of HORTICULTURE, 11 Hamilton Place, Boston.

**FOR SALE**—A No. 16 Hitching boiler used only two seasons. Being removed to make room for larger boiler. Apply to Edmund Reardon, Cambridge, Mass.

## FOR LEASE

**FOR LEASE**—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

**FOR LEASE**—Lord & Burnham Iron House 60 by 160 within Boston city limits, all in good condition. Has been used for carnations for past four years. Also will sell field carnation plants for planting the benches. Address C. C., care HORTICULTURE, Boston.

## List of Advertisers

	Page		Page
Advance, The Co.	367	McCarthy N. F. & Co.	277
Altimo Culture Co.	291	McConnell Alex.	294
American Nursery	280	McKellar Charles W.	296
American Nursery Co.	280	McKissick, W. E.	296
Aschmann G.	278	McManus Jas.	298
Atlanta Floral Co.	234	Metropolitan Ma-	
Bambrick Thos. H.	304	terial Co.	307
Barrows H. H. & Son.	278	Meyer J. C. & Co.	290
Bassett & Washburn	279	Michell H. F. Co.	293-305
Bayersdorfer H. & Co.	295	Michigan Cut Flower	
Bay State Nurseries	280	Exchange	299
Beaven E. A.	236	Midgley L. C.	279
Berning H. G.	299	Millang Bros.	298
Boddington A. T.	291	Moninger J. C.	306
Boston Florist Letter		Moore, Hentz & Nash	298
Co.	299	Morse C. C. & Co.	293
Boston Plate and Win-		Murdoch J. B. & Co.	296
dow Glass Co.	306	Murray Samuel	294
Bosch, Felix	291	Niessen Leo. Co.	296
Bostrom-Brady Mfg.		Oechslein Frank	278
Co.	297	Ordenez Bros.	290
Braslan Seed Growers		Ouwkerk P.	280
Co.	293	Paletthorpe P. R. Co.	305
Breck Joseph & Sons	293	Park Floral Co.	294
Breitmeyer's J. Sons	234	Payne John A.	306
Bridgeman's Seed		Pennock-Meehan Co.	296
Warehouse	293	Perkins St. Nurseries	278
Brill Francis	291	Pierce F. O. Co.	306
Budlong J. A.	296	Pierson, A. N.	278
Burpee W. A. & Co.	293	Pierson F. R. Co.	278
Carrillo & Baldwin	290	P Person U Bar Co.	308
Cassidy I.	307	Playdon J. H.	279
Chicago Carnation		Poehlmann Bros. Co.	278
Co.	279	Pratt B. G.	305
Clarke's David, Sons	294	Pratt C. S.	292
Cleary's Horticultural		Pulverized Manure	305
Co.	280	Quaker City Machine	
Cotsonas Geo. & Co.	299	Co.	306
Cowee W. J.	299	Raynor John I.	298
Craig, Robt. Co.	278	Reed & Keller	298
Dingee & Conard Co.	278	Reinberg Peter	296
Doane Geo. B. & Son.	307	Reuter S. J. & Son	
Dorner F. Sons & Co.	279	Inc.	279
Dreer H. A.	306	Ribsam Carlman	280
Dunlop John H.	294	Rice Bros.	296
Dysart R. J.	296	Rickards Bros.	293
Edwards Folding Box		Robinson H. M. & Co.	299
Co.	296	Rock Wm. L. Flo. Co.	294
Elliott Wm & Sons	291	Roehrs Julius Co.	290
Ellwanger & Barry	279	Roper Albert	279
Elm City Nurs'g Co.	280	Roland, Thomas	291
Esler J. G.	306	Rolker August & Sons	306
Ernest W. H.	306	Rose Hill Nurseries	290
Eyres	294	Sander & Son	290
Farquhar R. & J. & Co.	292	Schlegel & Fottler Co.	293
Fenrich J. S.	298	Schulz Jacob	294
Fiske, H. E. Seed Co.		Scott, John	278
	291-305	Sharp, Partridge & Co.	306
Foley Mfg. Co.	307	Sherridan W. F.	298
Ford Bros.	298	Siggers & Siggers	307
Froment H. E.	298	Situations & Wants	304
Galvin Thos. F.	295	Skidelsky & Irwin Co.	293
German Kali Works	305	Smyth Wm. J.	293
Grey T. J. Co.	293	Standard Plate Glass	
Gude Bros. Co.	294	Co.	306
Guttman Alex. J.	298	Stearns A. T. Lumber	
Hall Asso.	316	Co.	297
Haines, J. E.	279	Storrs & Harrison Co.	304
Hartmann Hjalmar &		Stumpp & Walter Co.	305
Co.	293	Thorburn J. M. & Co.	293
Hauswirth M. C. & J. E.	294	Thurlow T. C.	279
Heacock Joseph	280	Totty Chas. H.	279
Herbert David & Son	291	Traendly & Schenck	298
Hews A. H. & Co.	306	Twomey D. J.	280
Hicks Frank S.	298	Valentine, J. A.	294
Hilfinger Bros.	305	Velthuys K. J.	291
Hill, The E. G. Co.	278	Vincent R. Jr. & Sons	279
Hippard E.	306	Water John & Sons	280
Horan E. C.	298	Weathered Co.	308
Houghton & Clark	294	Weber F. C.	294
Hunt E. H.	305	Weber & Don	291
Kasting W. F. Co.	293	Welch Bros.	279-296
Kentucky Tobacco		Weigel & Ujfalussy	299
Product Co.	304	Wilson	294
Kessler, P. F.	298	Winterson, E. F. Co.	296
King Cons. Co.	306	Witthold Geo. Co.	294
Kroeschell Bros. Co.	307	Wood Bros.	278
Kuebler Wm. H.	299	Woodrow, Sam'l A.	299
Lager & Hurrell	290	Worcester Conserva-	
Langjahr, Alfred H.	290	tories	279
Leuthy A. & Co.	278	Yokohama Nursery Co.	291
Lord & Burnham Co.	308	Young & Nugent	294
Lutton W. H.	307	Zangen O. V.	293
Manda Jos. A.	290	Zinn Julius A.	295
MacMuklin E. A.	295	Zvolanek A. C.	293
Mathews Wm.	290		

# POTASH

**Gardening For Profit**  
is an impossibility unless the soil contains, in addition to its other plant-growing elements, a sufficient supply of Potash.

Abundant leafage, wealth of bloom, hearty growth of stock, and superiority of flavor and firmness of fruit are assured by the application of commercial fertilizer in which there is from 10 to 12 per cent. of Potash.

Send for our valuable books on fertilizing, prepared by experts, and invaluable to gardeners and fruit growers. Sent free on application.

**GERMAN KALI WORKS**  
93 Nassau Street, New York

Chicago — Monadock Building  
Atlanta, Ga. — 1224 Candler Building  
Address office nearest you



## Cattle Manure In Bags

Shredded or Pulverized  
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,  
31 Union Stock Yards, Chicago

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

The large barn, rebuilt after a previous fire, on the grounds of the Massachusetts Agricultural College at Amherst was destroyed, together with a large portion of its contents, hay, cattle, etc., on August 15.

## DON'T EXPERIMENT

USE

# To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

## DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

# "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. \$2.00. 25 lbs. \$3.25. 5 lbs. \$1.00. 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

?  
**Is Your Name In The Above List? If Not, Why Not?**  
?



### GREENHOUSES BUILDING OR CONTEMPLATED.

Johnstown, Pa.—T. Malbrane, one house.

Lexington, Conn.—C. G. Cheney, conservatory.

Melrose, Mass.—A. M. Tuttle, two houses.

Norwood, R. I.—Norwood Floral Co., rebuilding.

Warsaw, Ind.—Wm. Terrell & Son, house 23 x 160.

Pierceton, Ind.—Knull Floral Co., range of houses.

Jamestown, N. D.—A. K. Wheeler, range of houses.

Champaign, Ill.—O. A. Fanning, range of houses.

Syracuse, N. Y.—W. L. Sullivan, range of houses.

New Britain, Conn.—Chas. W. Phillips house 15 x 40.

Baltimore, Md.—Chas. Hamilton, house, 30 x 100; cold storage house, 20 x 40.

Woburn, Mass.—Charles Cummings, house 40 x 360; Mishawum Flower Co., range of houses; John H. Newman, range of houses.

#### LIST OF PATENTS.

- 895,557 Spring-Trap for Cultivators. Leslie D. Putney, Peoria, Ill.
- 895,716 Fender for Cultivators. Abba Benton and Chas. D. Jordan, Monticello, Ga.
- 895,847 Lawn-Rake. Robert Ditchfield, Woodstock, Ontario, Canada.
- 896,058 Hand Cultivator or Plow. Clayton D. Himebaugh, Burr Oak, Mich.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 3 " " "	5.25	60 8 " " "	3.00
1500 4 " " "	6.00	HAND MADE	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
320 5 " " "	4.50	24 12 " " "	4.80
144 6 " " "	3.16	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hillinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower.. POTS

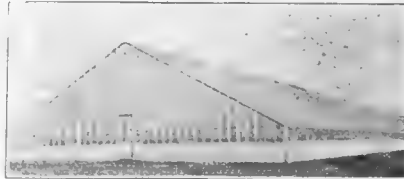
If your greenhouses are within 100 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

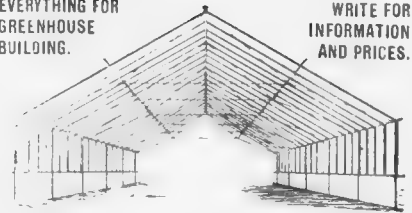
## JOHN A. PAYNE GREENHOUSE Designer & Builder

260-274 Culver Ave.  
JERSEY CITY, N. J.



IRON FRAME  
SEMI-IRON FRAME  
TRUSS ROOF  
WOOD FRAME  
Material Only or Erected  
Everything for the Greenhouse

EVERYTHING FOR  
GREENHOUSE  
BUILDING.



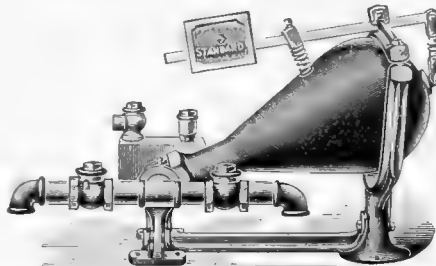
King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.  
117 E. Blackhawk St., CHICAGO.

## THE STANDARD STEAM TRAP



Is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying

**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO

WE HAVE SOME SNAPS



## BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

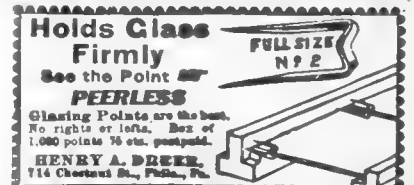


## Evans 20th Century Arm

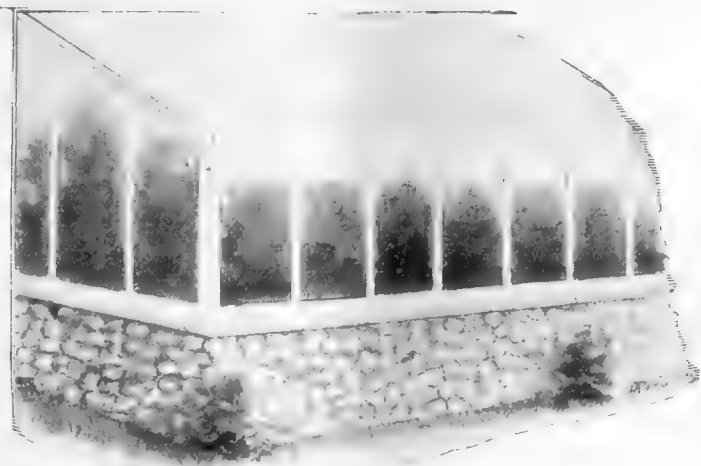
Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



The FLORISTS' HALL ASSOCIATION OF AMERICA, insurer of 29,000,000 sq. ft. of glass. For particulars address John C. Esler, Sec'y, Saddle River, N. J.



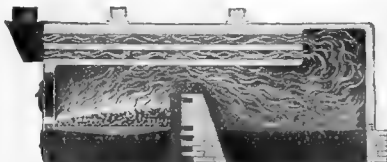
PATENT APPLIED FOR

### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

William H. Lutton, Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made  
SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Our old customers met us at Niagara Falls. All were pleased and their kind words helped us to sell scores of machines. All we need is a trial. Give us a chance to estimate on your needs.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

## I. CASSIDY

Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

**METROPOLITAN MATERIAL CO.**  
GREENHOUSE WRECKERS

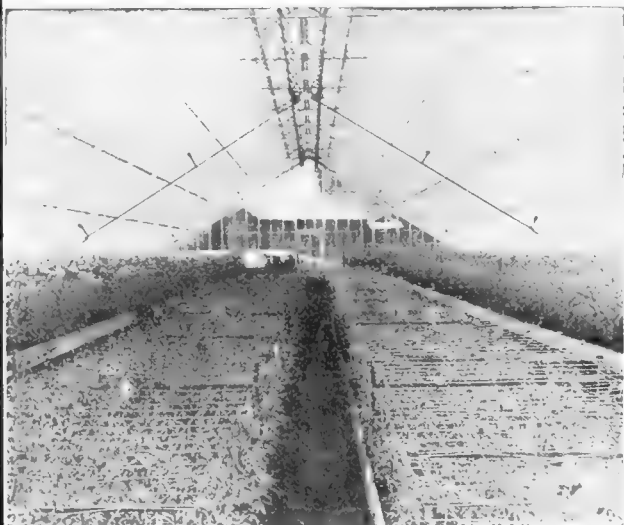
**GLASS** Look at these prices. New American 10 ft. to the box, 12 x 12 single \$1.84 per box, 10x12, 12x12 B. double \$2.25 per box, 12x14 to 12x20, 12x16 and 12x18 B. double at \$2.25 per box, and 16x20, 16x24, 12x24 B. double \$2.75 per box, 12x12 C. double, \$3.00 per box. Discount on quantities. Let us quote you on

CYPRESS MATERIAL HOTBED SASH  
BOILERS PIPE FITTINGS  
HOTBED FRAMES PLATS

1398-1408 METROPOLITAN AV., BROOKLYN, N. Y.

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.  
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

AIN'T  
THAT  
STAYS  
PUT  
AND SOMETHING  
ABOUT PUTTY

## THE PAINT QUESTION SOLVED

Want to know the best preventative for the cracking, peeling and blistering of your paint? Or a way to make your own ready-mixed paint cheaper than you can buy it mixed? Then send for this booklet

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## DO RESULTS COUNT?

If they do, then that settles it — the U-Bar is *the* construction, simply because the more light, the more and better the flowers — and no construction is as light as the U-Bar. But it doesn't stop there, for its durability is carefully looked after, and for grace of lines and general attractiveness, you must admit its distinct superiority. It is all told about and thoroughly illustrated in our catalog. Send for the catalog.

*The ideal construction for private estates, parks, public institutions and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII.

SEPTEMBER 5, 1908

No. 10



ANEMONE CORONARIA.

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from Nephrolepis Piersoni and Piersoni elegantissima as they were from Bostoniensis. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other Nephrolepes not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other Nephrolepes. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

**Fine, strong plants. 2 1/4 inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.**

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### I HAVE JUST RETURNED

from my annual business tour of the European sources of supply and can offer Bargains in Kentias and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 1500 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengeri. Also a large collection of small ferns for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1

Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**

Rutland Road and E. 45th St.

Tel. 2890 Bedford

**BROOKLYN, N.Y.**

### NEP. WHITMANI

2 1/4 in., \$5.00 per 100

### NEP. WHITMANI

3 1/2 in., \$25.00 per 100

### BOSTON FERNS

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

### GRAFTED ROSES

#### Special Bargain Sale

Extra fine Stock from 3 inch pots.

**KILLARNEY, CARNOT, KAISERIN,**

**UNCLE JOHN, RICHMOND,**

\$2.50 per dozen \$15.00 per 100

**BRIDE, BRIDESMAID, GOLDEN**

**GATE, LA FRANCE,**

\$2.00 per dozen \$12.00 per 100

#### OWN ROOT

**KILLARNEY, KAISERIN, RICHMOND**

from 3 inch pots, \$7.00 per 100.

**BRIDE, BRIDESMAID, GOLDEN**

**GATE**

from 3 inch pots, \$6.00 per 100.

Send for Catalogue

**WOOD BROTHERS, Fishkill, N.Y.**

### EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.

3 in. splendid stock, \$4 per 100, \$40 per 1000.

**The E. G. HILL CO., Richmond, Ind**

### The Roses that Win

MRS. POTTER PALMER, CARDINAL

American Beauty and Other Standard

Varieties. Rooted from Our Famous Stock.

Send for Prices.

**POEHLMANN BROS. CO.**

Morton Grove, Ill.

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

**PRIMULA OBCONICA and P. CHINENSIS**

Best Varieties

Ready Now, 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.

Formerly Garfield Park Flower Co.

In ordering goods please add "I saw it in HORTICULTURE."

### A. N. PIERSON, Inc.

**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

### ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

### ROSES

A SPECIALTY

**The Dingee & Conard Co.** West Grove PA.



**Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.**

## Get the Best KENTIAS by Ordering at Once

Why wait when quick orders guarantee best plants and delayed orders may come too late? As all our orders are filled with best plants only, frequently, toward the end of the season, we are obliged to report "sold out."

### Kentias of Our Standard

surpass in strength of growth, stately appearance, freedom from disease, and are consequently in strong demand. Better get your order ready soon—you can lose nothing and may gain much.

*New Wholesale Catalogue Mailed Upon Application*

**Joseph Heacock Company**

ROSE AND PALM GROWER  
WYNCOTE, PA.

Made up  
plant of  
Kentia  
Forsteriana

### CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a  
Large and Fine Lot of

### California Privet

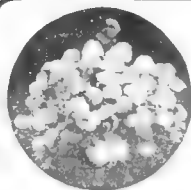
by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

### ELMS, SUGAR and NORWAY MAPLES

Shrubby in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send  
You Price

IN ORDERING GOODS PLEASE  
MENTION HORTICULTURE.



### HYDRANGEA

(Arborescens)

#### GRAND. ALBA

A taking novelty for

#### FORCING

Strong field grown 15 inch  
and up \$15 per 100, \$14  
per 1000. 1 to 15 inch  
\$10 per 100, \$9 per 1000.  
The Elm City Nurs. Co.  
New Haven, Conn.

### BARGAINS in TREES and PLANTS

Six for 25 c. delivered free by mail  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT, - - - ENGLAND

**A Hardy Garden or Border Planted in September Gives  
the Best Results**

We grow strong field-grown plants of

### HERBACEOUS PERENNIALS

in great variety. Illustrated catalogue containing everything for planting the Home Grounds  
Free upon request.

**THE BAY STATE NURSERIES, North Abington, Mass.**

Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights  
P. O. No. 1, Hoboken, N. J.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted.  
62 Vesey St., NEW YORK

### DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**

Successors to L. K. Peacock, Inc.

ATCO, N. J.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

## Notes from the Arnold Arboretum

With the autumn advancing the number of flowers is diminishing perceptibly in our shrubberies and there are only very few which begin to flower at this time; the most conspicuous of them are some Clematis. The native *Clematis virginiana* is in bloom since some time and is particularly attractive when rambling over low shrubs and covering them with masses of white faintly fragrant flowers which are followed later by attractive feathery fruits. A similar species just coming into bloom is the Japanese *C. apiifolia* with more finely cut leaves and somewhat smaller flowers. The most showy, however, of all the late flowering Clematis is the Japanese *C. paniculata* which has become very popular and deservedly so, for its hardiness, rapidity of growth, handsome foliage and abundant white flowers make it an ideal vine for porches, fences, arbors and similar objects.

The Japanese *Callicarpa japonica* and *C. purpurea* are now in bloom, but their axillary flower clusters, pale lilac in the first and purple-lilac in the second species, are rather insignificant and moreover partly hidden by the foliage. Both are low shrubs not perfectly hardy in this climate, and usually killed to the ground in winter, but young shoots spring up freely again and flower and fruit the same year.

The slender pendulous or trailing branches of the Matrimony Vine, *Lycium halimifolium* and *L. chinense*, are studded their whole length with lilac flowers and here and there a few scarlet berries appear which become later the chief ornamental feature of this shrub.

Besides these shrubs some already mentioned in earlier issues are still in bloom and of these may be named *Sophora japonica*, *Hibiscus syriacus*, *Vitex incisa*, *Lespedeza bicolor*, *Hypericum* and *Tecoma* and *Kerria japonica* is showing its bright yellow double flowers for the second time.

While the number of flowering shrubs is growing small, the wealth of ornamental fruits is now very great and at the Arboretum the eye is greeted at every turn by conspicuous and handsome fruits shining from among the foliage which retains still most of its summer freshness, though here and there particularly in the Red Maples a touch of autumnal coloring appears.

Among the trees there are none more beautiful than the Mountain-Ashes with their large clusters of bright red fruits. The earliest of them is the European *Sorbus Aucuparia*. A remarkable variety of it is *S. Aucuparia* var. *moravica* (var. *dulcis*) with larger fruits of a pleasant subacid taste; this variety has been recommended for mountain regions as a fruit tree, for its fruits can be made into a very good jelly resembling cranberries in taste. The native *Sorbus americana* is equally beautiful, but still handsomer is the variety *S. americana* var. *decora* with larger fruits ripening somewhat earlier. This variety has been confused by most botanical writers with *S. sambucifolia* which, however,

is a different species native to northeastern Asia and not found in North America at all.

*Magnolia tripetala* is now a very attractive tree with its pink fruit-cones among the bright green foliage; the fruit will look still prettier when it is fully ripe and releases its scarlet seeds hanging down for a while suspended from slender threads before they fall to the ground. Also the fruits of the shrubby *Magnolia glauca* are assuming a red color, but they are smaller and less conspicuous.

Among the shrubs the High-bush Cranberry, *Viburnum Opulus*, is certainly the most showy with its large nodding clusters of brilliant scarlet fruits. *Viburnum Sargentii* which is of more dense and upright habit produces its smaller fruits usually rather sparingly, but this year some shrubs fruit very well and are almost as beautiful in fruit as *V. Opulus*. *Viburnum dilatatum* also has scarlet fruit but much smaller and disposed in upright corymbs; it is a compact shrub well worth a place in our shrubberies as well for its flowers as for its fruits. The large fruit clusters of *Viburnum cassinoides* are now mostly greenish or pinkish white changing to pink and soon to their final blue-black color; sometimes fruits of all three different colors may be seen in the same cluster. The lustrous dark blue fruits of *V. venosum* are very similar to those of *V. dentatum* which by this time have mostly fallen off or been eaten by birds. *Viburnum pubescens* is also attractive with its numerous dark purple-black fruits.

The Kinnikinnik, *Cornus Amomum*, is attracting attention by the unusual blue color of its fruits appearing abundantly in nodding long-stalked clusters. It resembles very much *Cornus obliqua*, but ripens its fruits later and the leaves are broader and larger. The European *Cornus mas*, the Cornelian Cherry, is very handsome with its scarlet oblong fruits glistening from among the dark green lustrous foliage, while the dull black fruits of the European *C. sanguinea* are rather inconspicuous.

The Sweet Elder, *Sambucus canadensis*, stands bowed with the weight of its large clusters of purplish black berries and in this state is almost, though not quite as effective as in June when it is in bloom.

The Black Chokeberry, *Aronia melanocarpa* (*Sorbus nigra*), is now adorned with its lustrous black fruits which drop soon after ripening while the closely related Purple Chokeberry, *Aronia atropurpurea*, bears dark purple or purplish black fruits remaining on the branches though in a shriveled state almost through the whole winter. The latter is a larger shrub reaching ten to twelve feet in height, while the Black Chokeberry remains lower and sometimes is a dwarf bush only one or two feet high. The Red Chokeberry ripens its fruits much later.

Some of the Roses are handsome with their brightly colored hips; the earliest to ripen their fruits are *Rosa blanda*, *R. rugosa* which has the largest hips of all, and *R. pratincola*, while *R. virginiana* (*R. lucida*) and *R. humilis* follow a little later. All these have bright red hips, but *R. spinosissima*, one of the prettiest in bloom, bears lustrous black fruits.

Alfred Rehder.

# HORTICULTURE

VOL. VIII

SEPTEMBER 5, 1908

NO. 10

PUBLISHED WEEKLY BY

**HORTICULTURE PUBLISHING CO.****11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292

**WM. J. STEWART, Editor and Manager****SUBSCRIPTION PRICE****One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50****ADVERTISING RATES****Per Inch, 30 inches to page \$1.00.****Discounts on Contracts for consecutive insertions, as follows:****One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;****six months (26 times) 20 per cent.; one year (52 times) 30 per cent.****Page and half page spaces, special rates on application.****Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass. under the Act of Congress of March 3, 1879.**

## CONTENTS

	Page
COVER ILLUSTRATION—Anemone coronaria.....	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder .....	313
SHADE TREES—P. F. Williams.....	315
BRITISH HORTICULTURE—W. H. Adsett.....	315
AFTER ADJOURNMENT.....	316
ANEMONE CORONARIA.....	316
A DOUBLE-FLOWERED AURATUM—Illustrated.....	316
NEWS OF THE CLUBS AND SOCIETIES	
North Shore Horticultural Society—Massachusetts Horticultural Society—Southampton Horticultural Society—Florists' Club of Philadelphia—El Paso County Horticultural Society—Society of American Florists .....	317
Gardeners' and Florists Club of Boston—American Carnation Society—New England Dahlia Society—Club and Society Notes—Coming Events.....	318
OBITUARY—Mrs. E. M. Wood—Job Davis—J. H. Lowry .....	318
THE VALUE OF STATE FLORIST ASSOCIATIONS—Albert T. Hey.....	319
OUT OF DOOR ROSES—W. C. Barry.....	320
PARK ADMINISTRATION—J. A. Pettigrew.....	320
BULB GROWING IN AMERICA.....	323
SEED TRADE.....	324
Holland Seed Crop Report—Market Report from Canary Island.....	324
FLOWER MARKET REPORTS	
Boston, Chicago, New York, Philadelphia.....	329
MISCELLANEOUS	
A Tribute to J. H. Morton.....	316
An Acknowledgment.....	316
Some Select Dahlias.....	316
Menace to American Bulb Trade.....	322
Movements of Gardeners.....	322
Personal .....	326
Steamer Departures.....	326
Fairs and Neighborhood Flower Shows.....	327
Chicago Personals.....	327
News Notes.....	327
Business Changes.....	327
Incorporated .....	327
New Retail Flower Stores.....	327
Philadelphia Notes.....	329
Catalogues Received.....	336
Publication Received.....	336
Greenhouses Building or Contemplated.....	338
List of Patents.....	338

ing all the business depression, has our profession been advancing in numbers, and in intelligence and business capacity, individually and collectively. We have better greenhouse and nursery equipment today than ever before; finer stock and more of it will be grown this season than ever before, and he who plans to hold his relative position with his fellows must take all these facts into the reckoning. The distance between top-grade and lowest grade stock grows wider and wider and in like manner, as the standard advances the gap grows also between the men who handle the stock—between the man who goes in bound to surpass and the laggard who knows nothing beyond old conditions and old ways. Where do you get on?

The complainants against the alleged discrimination by the Express Companies in handling flower shipments made

out a good case at the hearing in the S. A. F. Convention and we believe that, especially as regards the heavy charges for ice used in packing flowers, the Interstate Commerce Commission will look upon the complaint as a just one. It has been predicted that the Express Companies would take every possible opportunity to punish the florist trade for their audacity in demanding and their success in getting relief last year from the retaliatory oppression from which one section of the country was suffering and recent developments would seem to indicate the fulfillment of the prediction. However nobody should lose any sleep in worrying over this impending danger. The argument that it is better to submit to abuse rather than incur greater severity by resistance is not worthy of attention. When convinced of the justice of one's case such timidity is little short of cowardice. That the Express Companies are conscious of their own weak position is evidenced in the lame and almost childish excuses they fall back upon. Insist on a "square deal."

"Standard" flower pots So unmistakable has been the advantage to the trade in the general use of the standard flower pot adopted by the Society of American Florists some twenty

years ago that it is greatly to be regretted that certain manufacturers, especially in the West, have begun to work from special moulds of varying pattern, as was stated at the Niagara Falls Convention. If, as is maintained by some plant growers, the Standard Pot is clumsy and hard to use in decorative work and hence open to improvement in one or more respects it might be well for a special committee to take up the subject and gather all possible information and suggestions from those who have been using the pots to any extent. Then if it should appear that there is a general desire for modification in the adopted patterns the Society and the manufacturers can govern themselves accordingly. Moulds are expensive and the potteries are not likely to change them very often and then only on the urgent demand of their customers. Once a pattern becomes generally acceptable to the growers it is hardly probable that any manufacturer will be so rash as to persist in turning out odd goods and the fact that this is being done would seem to indicate that the growers are not all agreed as to the present standard.

"There is a tide  
in the affairs  
of men"

Now begins the fall season. The road to success stretches away in front of each one of us and it is now full time to take up the course, bearing in mind that standards have again advanced and that the coming "top-notchers" are bound to outstrip last year's pace as last year spoiled the records of its predecessors. Steadily, notwithstanding

## Shade Trees

There are very few people who have not had occasion, in one way or another, to feel an appreciation for shade trees. However, the most of us should have more than this casual appreciation. We should know more of the tree's life history, more of its physical properties; the adaptability of certain varieties for certain conditions and above all wider knowledge of the species and varieties with which we come in contact from day to day. Some of us are content to make an appeal for trees for no other motive than that of the esthetic—the sentimental appeal. This does very well in some communities but it does not affect the business man. The love of nature, of art and things beautiful cannot be fostered in every mind. It may be stored there somewhere but to bring it out the practical side of the thing proves its discovery. It is often the question of dollars and cents to the individual or the city. If that cannot be shown the tree enthusiast generally gets a shock. Before our cities, towns and villages here in the South pay the necessary attention to street trees other values than that of the beautiful will have to be felt. If those who now give little attention to trees could find it practicable to visit towns and cities in the South made famous by their trees and parks a great proportion of the present indifference would be eliminated.

When a man finds that his property is worth from \$100 to \$1,000 more today than it was a dozen years ago owing to the growth of one or several beautiful trees on it, he appreciates the tree or trees, without doubt. The owner may have never given his trees a thought until this cash value idea forced itself upon him. How much greater would his appreciation have been for those trees if he had learned to feel them a part of his home and an asset to his everyday happiness?

Trees, then, must have more than a few appealing features to arouse general interest and when these are enumerated it will be plainly seen that they have. In passing along a city street during the hot summer months with the mercury at 95 degrees in the shade haven't you often sought the spot shaded by a noble tree, where the direct rays of Old Sol, either beating down direct, or reheated by reflection from buildings, are intercepted? Have you not lifted your "straw" from your sweltering brow and offered up a little inward prayer for this same tree?

Then again we find that trees prove to be sanitary agents. Through their leaves poisonous gases, which are apt to prevail in congested districts, are absorbed. Where civic and village improvement societies have accomplished results, this fact may not at once appear significant but in many towns that the writer has visited where garbage, etc., has been allowed to remain in the streets until a kindly rain has washed it away, every agency which would tend to eliminate the foul, poisonous odors would certainly seem a blessing. Tree roots absorb superfluous water which would otherwise make our basements and cellars damp and unfit for the storage of fruit and vegetables. Soil aeration is another factor to thank roots for. The opposition will say that tree roots often displace curbs and walks, yes and pavements. Why? Because these same trees were not properly planted. No root can penetrate some of the hardpans found near the surface of many of our streets. Before putting in permanent walks, where beautiful trees exist it would pay towns and cities to see that the tree roots are going to have ample room to develop in penetrable soil.

The Southern cities, towns, villages and plantations famous for their trees, too little appreciate what nature has done aided by man. There is little done to compensate, and hand down to posterity, the blessings they are at present enjoying. The trees should be watched like children. Over in France the city of Paris spends thousands of dollars in supporting a Tree Hospital. Trees are sprayed, fertilized, pruned, replaced when beyond their usefulness and protected in every way possible from injury. The whole city takes a living interest in its trees. They are proud of their well-shaded avenues.

Our American cities are not far behind. In Pennsylvania and New Jersey the cities are enabled by statute to appoint shade-tree commissions to take care of the shade-trees on their streets. They can set out new trees and assess the cost to the property benefitted. They trim trees, protect them from injury, clean out decayed trunks and fill the holes with cement and wage war against the insect pests. In fighting the latter, spray mixtures not only keep the insects in check but also preserve the foliage of the tree for the season and thus maintain its health and vigor.

We cannot lay back and let Dame Nature take care of our beautiful trees. They will not last forever unaided and not even then. It is our duty not only to ourselves but to those who follow to protect the trees we already possess and provide others for coming generations,—living monuments of a thoughtful people.

*P. F. Williams*

*Alabama Experiment Station, Auburn, Ala.*

## British Horticulture

### THE SHREWSBURY SHOW

The annual show held by the Shropshire Horticultural Society maintains its premier position. The "Shrewsbury show" holds a high reputation throughout the country and the one held last week showed no diminution in the interest aroused. Keen competition was witnessed in most of the classes. The champion fruit display was a great attraction, the exhibits being of a highly meritorious character. Each collection consisted of thirty dishes of ripe fruit in not fewer than ten distinct kinds. The champion silver cup was taken by N. F. Barnes, gardener to the Duke of Westminster. In the grape section, usually a strong feature, the first prize fell to J. H. Goodacre, gardener to the Earl of Harrington, who scored 107 out of a possible 124 points. There was a spirited contest in the class for nine dishes of vegetables. The championship fell to E. Beckett, V. M. H., gardener to the Hon. Vicary Gibbs. Awards of merit were made to the following exhibits: Silver leaf antirrhinum, Thos. Taylor, Blackpool; perpetual-flowering pink, "Progress," C. H. Herbert, Acock's Green, Birmingham; white border-carnation, "Mrs. Tom Coulthwaite," Peter Blair, Trentham Gardens, Stoke-on-Trent; gladiolus, "Golden Measure," Kelway & Sons, Langport; cactus dahlia, "Sentinel," Dobbie & Co., Rothesay; carnation, "Mrs. Chas. Russell," Chas. Acock, Blundellsands; H. T. rose, "Lena," Alex. Dickson & Sons, Newtonards, Ireland.

*W. H. Adsett.*



### AFTER ADJOURNMENT.

Complaints have reached us from several parties who have ordered goods from M. H. Rose, 46 Macomb street, Detroit, Mich., whose advertisement they saw in *HORTICULTURE*, but who have never received the goods ordered nor the money which they had enclosed. We should like to know of any others who have had dealings with the party in question or who can inform us as to his present whereabouts.

The Castle Company reports an instant wave of popularity among the greenhouse men who have seen it, for the new boiler tube coupling which they have just begun to manufacture. On Saturday last, orders were received for one circulator, one boiler and two hundred couplings. The party ordering the couplings had previously tried to use packed joints, but unsuccessfully. Within the past week inquiries have been received from as far West as Columbia River and as far South as Birmingham, Ala., and orders for electric circulators were received from New York and New Jersey. Thomas Roland of Nahant is about to install a Castle boiler and electric circulator. This business is all credited to advertising in *HORTICULTURE*.

### A TRIBUTE TO J. H. MORTON.

Editor of *HORTICULTURE*:

Dear Sir—Referring to your note on page 295, issue of August 29, regarding Mr. J. H. Morton, former superintendent of Mt. Hope Cemetery, it should be stated that Mr. Morton is an ex-president of the Association of American Cemetery Superintendents, to every member of which he is endeared by reason of his kindly personality, and by every member of which he is respected because of the dignified and efficient part he has played in the affairs of this Association, and by reason of his high attainments in a professional way.

Yours very truly,  
W. N. RUDOLPH.

### ANEMONE CORONARIA.

See Cover Illustration

For brilliancy of color no flower surpasses this free-blooming spring subject. The tubers, planted in the fall, and given the protection of some leaves or litter through the winter, will bloom abundantly from spring to early summer. They are found occasionally in the florists' stores in the winter, but are not forced for the market in the quantities that they merit. They can be planted in pots and pans and stored in cold frames and brought in as wanted throughout the season, and with their splendid colors of scarlet, blue, purple and white are very useful for table decorations and other purposes. They are grown very extensively in southern France for the flower markets of northern Europe, from January 1st on through the winter months. There are several named varieties, of which one of the most useful is the *St. Brigid* or *Irish anemone*, bearing brilliant flowers, mostly semi-double and excellent for cutting.

### A DOUBLE FLOWERED AURATUM.



In large importations of *Lilium auratum* from Japan a wide variety of forms are always found, some almost pure white with a few delicate spots, others with the spots more pronounced, some with a taint golden line through the petal and others with more or less intense band of yellow, until we get to the *Vittatum Rubrum* type with broad band of deep color almost crimson, and heavily spotted with bronzy crimson. Fasciated stems are not infrequent, and specimens have been seen bearing from thirty up to one hundred and fifty flowers. A variation not before observed, as far as we are informed, is shown in the illustration,

where a well-built double flower has been produced. Whether it will hold this character permanently remains to be demonstrated, but this would seem to be a possibility, as a double-flowered variety of *L. tigrinum* has long been common. If, by doubling or any other process a variety of auratum should be evolved wherein the powerful odor of this gorgeous flower is eliminated or considerably modified, it will be a great boon for the florist as the overpowering fragrance is an insurmountable obstacle to its use in any indoor decorative work. The flower illustrated came from the nurseries of R. & J. Farquhar & Co.

### AN ACKNOWLEDGMENT.

At the close of the S. A. F. convention at Niagara Falls the exhibitors presented Superintendent Chas. H. Keitsch a testimonial of appreciation of his efficient and courteous management. As circumstances at the time did not permit of an adequate expression of his feelings, Mr. Keitsch desires to do so now through the columns of *HORTICULTURE* in grateful acknowledgment of the gift.

### SOME SELECT DAHLIAS.

In the window display of R. & J. Farquhar & Co., Boston, the following named dahlias of recent introduction were noted as being especially beautiful. King Leopold, peony-flowered, primrose; Queen Wilhelmina, peony-flowered, white; Hollandia, peony-flowered, deep pink; Fire Rain, decorative, scarlet vermilion; Chas. Lanier, show yellow. All of these are worthy of a place at the very top of the list. Charles Lanier is enormous in every feature, and every bloom is an exhibition flower, full to the heart.

# NEWS OF THE CLUBS AND SOCIETIES.

## NORTH SHORE HORTICULTURAL SOCIETY.

The annual summer exhibition of flowers, fruits and vegetables of the North Shore Horticultural society, was held in a large tent on the grounds of the Essex County club, Manchester, Mass., on Wednesday and Thursday, Aug. 26 and 27. While the rain all day Wednesday and the inclement tendencies of the weather on Thursday were responsible for a smaller number of entries than usual, and caused a poor attendance on both days, the quality of the exhibition was far superior in many instances to the shows of previous years.

A very pretty setting to the rest of the display did the three big groups in the center give. In the very center was the group of foliage and flowering plants from Mrs. Lester Leland, Eric Wetterlow, gardener. This was very imposing and won Mrs. Leland the silver cup. On the other end was the group of ferns from Mrs. Edward S. Grew, A. E. Parsons, gardener. This took first in the class, a beautiful silver cup. Mrs. Leland's group on the opposite end of the tent took second prize, a silver medal.

A feature of the show was the collection of vegetables entered by Mrs. Gordon Abbott. It was not only the best display shown this year, but one of the finest if not the finest ever exhibited here. Mrs. Abbott, William Irwin, gardener, won the special prize offered by Thos. J. Grey Co. for the best collection of vegetables, and also the corresponding special offered by Schlegel & Fottler Co. Schlegel & Fottler Co. also offered a special prize for the best collection of tomatoes and Mrs. Abbott won this, too.

The silver cup offered by George R. White for the best and largest collection of vegetables, limited to two society tables, was won again this year by Mrs. Philip Dexter, James Salter, gardener, who thus became the possessor of the trophy, as it had to be won twice before becoming the absolute property of the exhibitor. Mrs. Dexter also won the special prize offered by Joseph Breck & Sons for the best collection of sweet corn.

The gold medal offered by the society for the best table of flowers arranged for effect was won by Mrs. H. L. Higginson, James Scott, gardener. Mrs. G. E. Cabot won in the class for the best vase, arranged for effect.

B. Hammond Tracy had a splendid exhibition of gladioli occupying four tables.

## MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual children's exhibition of the Massachusetts Horticultural Society will be held at Horticultural Hall, Saturday and Sunday, Sept. 5 and 6. Displays of the products of the children's gardens from many cities and towns in Massachusetts will be made and the occasion will be one of unique interest. Competition is open

to all children in Massachusetts between the ages of 8 and 16 years.

Sixty prizes, amounting to \$150.00, are offered for exhibits of annual and perennial flowers, and for vegetables grown by the children in school gardens or in home gardens.

The committee of the society having the matter in charge is composed of Mrs. Robert G. Shaw, chairman; Mrs. E. M. Gill, Miss Katherine P. Peabody, Mrs. Dudley L. Pickman, and Mrs. John E. Thayer.

The exhibition, which is free to all, will be open Saturday from 12 to 4 and Sunday from 2 to 6 o'clock.

WM. P. RICH, Secretary.

## SOUTHAMPTON HORTICULTURAL SOCIETY.

The second annual flower show of the Southampton (N. Y.) Horticultural Society was held in a tent on the Art Museum grounds on August 19 and 20, and considering the dry season the exhibit was a good one a large variety of plants, cut flowers and vegetables being shown. One of the most interesting and best contested exhibits was in the class for dinner table decorations, there being six competitors in each day's competition who vied with each other to provide the most artistic effect with the flowers used. The prizes were awarded the first day to Mrs. G. Livingston, G. W. Campbell gardener, first; Mrs. Horace Russell, Wm. Gray gardener, second; Mrs. R. M. Thompson, O. G. Owen gardener, third. On the second day Mrs. Horace Russell, Wm. Gray gardener, first; Mrs. R. M. Thompson, O. G. Owen gardener, second; Mrs. G. Livingston, G. Campbell gardener, third. Another effort worthy of special notice was a group of palms exhibited by Wm. Manuel, which was awarded the Mrs. N. Thayer Robb prize. The same exhibitor showed a table of ferns and one of foliage plants and lily of the valley in pots. A group of bays and foliage plants shown by J. L. Breese, D. W. Clark gardener, was also much admired. A table of dahlias shown by B. Aymar Sands, B. C. Palmer gardener, was very favorable commented on. Mrs. P. B. Wycoff, J. Rinnex gardener, showed a large variety of plants and cut flowers and was awarded several first prizes.

In the vegetable department the Meadow Club made a very fine exhibit and won several first prizes. Mrs. Howard Townsend, J. Griffin gardener, showed in several classes of vegetables, the principal one being a collection of potatoes which was awarded first prize. Mrs. C. H. Wales, J. King gardener, showed flowers and vegetables which got several first prizes. Mrs. W. S. Humphreys, M. McLaughlin gardener, showed in several classes of plants and cut flowers and won a number of firsts. Among the other exhibitors who won firsts were Mrs. Barber, J. Hurst gardener; Mrs. Corlis, J. Barnwell gardener; Mrs. Gollwer, J. Harris, gardener. The judges were Alex. McKenzie and J. F. Johnston of Glen Cove, and W. H. Waite of Yonkers.

## FLORISTS' CLUB OF PHILADELPHIA.

Nominations of officers for the ensuing year and a talk on bulb growing in Virginia, by J. Guille, were the features of the monthly meeting of the Florists' Club of Philadelphia held on the 1st inst. Considerable difference of opinion prevailed as to whether it was advantageous to have our northern markets swamped with cheap southern flowers of narcissus, etc., in the early spring. W. K. Harris was a vigorous no, while E. Joseph Lynch took the high ground of altruism, and pleaded for the million. J. Otto Thilow, Leo Niessen, Edward Reid, Robert Kift, Jno. Westcott, and others contributed to the discussion, which was quite lively. Joseph Heacock and Fred. Hahman are the nominees for president; Arthur A. Niessen and David Rust for secretary. George Craig was re-nominated for treasurer. Edwin Lonsdale was nominated for secretary, but declined the honor. A new white decorative dahlia was exhibited by the Leo. Niessen Co. The Hubert Bulb Co. sent some samples of their bulb cultures.

## EL PASO COUNTY HORTICULTURAL SOCIETY.

The tenth annual flower show of this society held at Stratton Park, Colorado Springs, Colo., showed not only an increasing interest among children and amateurs, to whom a large portion of the exhibit is always devoted, but brought out keen competition among the commercial growers. Among the several classes scheduled, the Colorado Floral Co., Frank Hayden, manager, led in dinner table and mantel decorations in decorative plants and carnations; William Clark secured first prizes in floral wreaths, window and lawn boxes and geraniums; the Pike's Peak Floral Co. was first in the cut flower section and won all the firsts in roses with the exception of reds where William Clark's exhibit scored. W. W. Wilmore captured all the dahlia firsts and some seconds in gladioli, but H. J. Perry easily led in the latter class. The Deaf and Blind school were first on a single ornamental plant and their fine geraniums won second place. A superb collection of decorative plants was loaned for the occasion by Carl Fohn, superintendent at Glen Eyrie.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### Error in Secretary's Report.

It appears that the statement in the Secretary's report at Niagara Falls that Mr. Albert Dirwanger was the only member of the Society in Maine, is an error, and that Mr. Wm. Miller at Bar Harbor is also a member, and through a printer's error his name in the printed annual report was included among the members from Kentucky.

W. N. RUDD, Secretary.

August 26th, 1908.

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Club meetings will be resumed on Tuesday evening, September 15. Program for meeting will be issued later.

This club will hold a field day at the New England Nurseries, Bedford, Mass., on Saturday, September 5. A special car will leave Arlington Heights at 12.45 with which connection may be made by leaving Park Street Subway station about noon. Those who desire can go by train on Lexington Branch of B. & M. R. R. at 1.51 P. M., to Shady Hill station, right on the nursery grounds.

The New England Nursery is the successor of the defunct Shady Hill Nursery. Since one year ago last March, when the new company took possession, an immense amount of overhauling has been done. A boulder-walled winter storage house 50 x 152, has been erected, two green-houses, each 18 x 100, are nearly completed, ten acres of border perennials and forty acres of ornamental shrubs and evergreens have been replanted, the entire two hundred acres under cultivation have been plotted, classified and keyed, and the prediction of Mr. Kirkegaard, the sales manager, that in a short time this nursery will be the peer of any in the State seems about to be verified. This nursery and the Geneva Nurseries, Geneva, N. Y., operate together, Theo. J. Smith being president of both. A. E. Robinson, formerly of Geneva, is manager at Bedford.

### AMERICAN CARNATION SOCIETY.

A meeting was held Thursday, Aug. 20, at S. A. F. Convention Hall, Niagara Falls, N. Y. It was called to order at 4.30 P. M., President M. A. Patten in the chair, with a good attendance of both directors and members.

The secretary was advised to have a list of names of varieties up to date published in the trade papers if they will do so.

Fred Burki was appointed to take the place of W. N. Rudd at the Chicago Flower Show to judge carnations. On exhibits from Canada if duty is demanded this society will assume that duty.

The secretary was instructed to ask some professor in the state of Indiana to write and read a paper for the meeting in Indianapolis next January.

It was suggested that the society offer a cup, value \$25.00, to be awarded at the exhibition of the English Carnation Society.

Indianapolis members present made it very emphatic that they were making great preparations for a banner meeting and want every carnation grower from the East, the West, the North and the South to attend.

The meeting was then adjourned to meet in Indianapolis, Ind., Jan. 27 and 28, 1909.

M. A. PATTEN, President.  
A. M. HERR, Secretary.

### NEW ENGLAND DAHLIA SOCIETY.

Our Dahlia Exhibit which takes place September 17, 18 and 19 at Tremont Temple, Boston, Mass., is going to be one of the most important horticultural exhibits during this month. It is the first exclusive Dahlia exhibit ever given in this country and from

all appearances its magnitude and size will surprise a great many of our old timers. The enthusiasm of our individual members, who in the majority of cases are only amateurs, is extremely encouraging and we expect for once to show to the American gardening public that an exhibit of mostly amateur growers can be made just as interesting as that of commercial growers.

MAURICE FULD, Secy.

### CLUB AND SOCIETY NOTES.

The Connecticut Botanical Club held its annual outing at Lake Quassapaug on August 25.

At the next meeting of the New York Florists' Club on Monday, Sept. 14th, Mr. Benjamin Hammond, Fishkill-on-Hudson, N. Y., will talk to the club on some experiences in the school garden movement.

The Autumn Exhibition of the Newport Horticultural Society will take place at Masonic Hall, Newport, R. I., on Sept. 12, 13 and 14. Admission will be free to the public on Sunday, 13th. Very liberal prizes are offered in all departments.

The sixth annual exhibition of plants, fruits and flowers under the auspices of the New Bedford Horticultural Society will be held at Odd Fellows' Hall, New Bedford, Mass., on Sept. 10, 11 and 12. Entries should be made with Jos. C. Forbes, 299 Chancery street, on or before Sept. 7.

The Intertown Dahlia Association met at Ansonia, Conn., on Aug. 21, but could not decide on a date for their show, as many members reported that their stock was suffering from the weather conditions. It is thought that it will be possible to have an exhibition later, when the new blooms mature.

### OBITUARY.

#### Job Davies.

Job Davies, who has been connected with the florist business in Columbus, Ohio, for the past thirty-five years, died on August 21 at the age of seventy-seven. He came to this country from England when he was about 22 years old.

#### J. A. Lowry.

A well-known visitor to the leading British horticultural shows has lately passed away in Mr. J. A. Lowry, who for years was the business representative of "Garden Life," London, also of "Horticulture" in Great Britain. Mr. Lowry was highly esteemed by a large circle of friends, who lament the close of a useful career at the age of 52.

#### Mrs. Edmund M. Wood.

Mrs. E. M. Wood, widow of the late Edmund M. Wood of Natick, Mass., passed away on Thursday, Sept. 3. Mrs. Wood had a paralytic stroke a few days previous, and little hope for her recovery was held out by her physicians. Two daughters and one son survive her. She was a most estimable lady.

### COMING EVENTS.

New Bedford, Mass., New Bedford Horticultural Society, fall exhibition, Sept. 10, 11, 12.

Newport, R. I., Newport Horticultural Society, autumn exhibition, Sept. 12, 13, 14.

Washington, D. C., Florist Club of Washington, Chrysanthemum Show, Masonic Temple, September 12, 13, 14.

Boston, Mass., Massachusetts Horticultural Society, exhibition of the products of children's gardens, Sept. 5, 6; Autumn exhibition, Sept. 11, 12, 13; exhibition of fruits and vegetables, Oct. 10, 11; Chrysanthemum show, Nov. 6, 7, 8, 9.

Boston, Mass., New England Dahlia Society, Tremont Temple, exhibition, Sept. 17, 18, 19.

Providence, R. I., Rhode Island Horticultural Society, fall show, Sept. 17, 18, Francis Williard Hall.

White Marsh, Md., Maryland Horticultural Society, with R. Vincent & Sons, Sept. 22.

New York, N. Y., American Institute of New York, exhibition, Sept. 22, 23, 24, Berkeley Lyceum Building.

Hartford, Conn., Connecticut Horticultural Society, fall show, Sept. 23; chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Menlo Park, Calif., Menlo Park Horticultural Society, exhibition, Oct. 15.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November.

Shreveport, La., State Fair, November 3, 4, 5.

Red Bank, N. J., Monmouth County Horticultural Society, show, Nov. 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, show, Nov. 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

Baltimore, Md., Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

## THE VALUE OF STATE FLORIST ASSOCIATIONS.

Read before the Society of American Florists by Albert T. Hoy.

Mr. President, Ladies and Gentlemen:

I have been called upon to talk to you this morning on State Florist Associations, their value and the relation they should bear to the Society of American Florists. I believe the best interest of this great society can be better accomplished and more fully developed by systematizing its work and the greatest good to the largest number can be secured through State Societies that can individually take up the work and develop what is most suitable for their localities.

To give you an idea what these Societies can do I will give you a brief review of the work accomplished by the Illinois State Florist Association.

After a year of preliminary work the present organization was formed and elected Mr. J. F. Ammann of Edwardsville, Ill., its first President. From that time the work was carefully planned and the first important step undertaken was to secure a definite and separate department for floriculture at our Illinois Experimental Station, believing this would bring further benefits in its train.

The next question was to raise funds to carry out the work. The Executive Committee set to work, a bill was framed and presented to the Illinois Legislature, becoming a law and giving us \$15,000 for the purpose stated. The bill provides for an Advisory Board appointed by the President of the Society, consisting of five members of the Association with the Dean of the College as chairman, whose duty it is to advise and consult with the University Officials what shall be done at the Station, and the results so far obtained show that they have attained strictly to their business.

The Experimental Station is located at Urbana in connection with the University of Illinois. The plans and specifications which appeared in the trade papers you probably are acquainted with. The houses will be planted with carnations this season and the work will be chiefly in fertilizers under the direction of Prof. H. B. Dorner, son of the veteran carnation grower of Lafayette, Ind., who has been placed in charge of the Experimental Station, with capable assistance.

When the officers of the College saw what our work meant and the amount of practical good it was going to do, they became enthusiastic and in addition to our appropriation from the Legislature donated to the cause out of the College funds the magnificent sum of \$7,000, making a total of \$22,000, to help carry on the good work, for which I assure you our Association was highly pleased. In addition to this they attended the services of the Entomological department and sent out one of their men to take up the thrips question, which has been doing an immense amount of damage in the rose-growing district, and have since detailed him on special work studying insect life and giving instructions in the different ways of fumigation, etc. At an early date a bulletin will be issued which will be of value to all.

Our first year's experimental work was done in greenhouses rented from Washburn Bros., in Bloomington, Ill., by Prof. Beal. This was mostly in the testing of the different commercial insecticides and when this bulletin is issued it may be a surprise in the varying analysis in these preparations tested.

We expect soon to see a course in floriculture established at the University covering soil analysis, a study in insect life and a practical training in greenhouse construction and heating, making a school which we have long dreamed of for our boys.

Now there are other important things that a State Society can do. Nearly every state has a State Fair and did you ever realize or stop to think that you can reach the masses quicker at a state fair than at a flower show. We took up this idea and thought it out in this-wise. The people who go to a flower show are as a rule flower-lovers and generally know just about what they are going to see, but the every-day, ordinary people do not go to these flower shows, but will go to their state fair.

Now nearly every state fair has a floriculture department and there are hundreds of people who never visit a greenhouse or even see one and never have flowers in their home or garden. They see these flower and plant displays and it creates a desire to have some in their home, which sentiment may have lain dormant forever if they had not visited the State Fair.

In a great many of the state fairs this department is looked upon as one of the side lights and whose fault is it but our own? Our State Society took this up, went before the State Board of Agriculture with our statistics, showed them the importance of our trade, impressed upon them the idea of cultivating the beautiful and elevating the taste of the people. This was hard work to get it through the heads of our farmer friends. Farm crops and cattle they understood, but did not realize that flowers cost money to grow and when the exhibition was over it was a dead loss to the exhibitor, but if some ordinary hog went in and came out with a blue ribbon he was worth so much more, but the flowers, why, of course, they did not amount to anything.

We finally gained our point and secured \$1,000 to the Illinois State Fair in premiums, also revised the list and gained an important recognition in the appointment of a practical florist as assistant superintendent of the floriculture department. Through the efforts of this Society the premium list stands on equal basis with any of our great shows. This is one of the things that a State Society can do. This is not work for our Society of American Florists to do and this is where I make one of my strong points.

The Society of American Florists has done its share of pioneer work, but there are some things it can still do. For instance our State Vice-Presidents can, in addition to what they are doing, get in closer touch with their Experimental Stations, take more interest in their State and County Fairs, visit the board of agriculture and get in touch with appropriation committees of the different State Legislatures.

The trade has not taken advantage of these things. Our agricultural friends have and the results are shown by the many experimental stations devoted to their use. We have no one to blame but ourselves. The amount of capital invested in our business demands that we should have recognition and if we organize and go after it like the Illinois State Florist Association did you can get it.

Every city should have a Florist Club and every State a State Society and these societies become as feeders, from which the National Society can draw its membership and with this near relationship a far greater work can be accomplished.

It has been said that we have too many societies, the Carnation, Rose, Paeonia and Chrysanthemum Societies, which has a tendency to divert the interest from the parent Society. I say no. The very strength of the tree lies in its fibrous roots, without these the Society could not accomplish its work and stand at the top. Let it continue to be the advisor and counsellor of these Societies.

You know already, as I know, what good these Associations have done and we could not have done the work which has been accomplished in these special lines without the aid of these Societies.

Now a State Society can get nearer to its home members, awaken their interest in the work locally. You take up the school gardens and the "City Beautiful idea," which is one of the greatest modern ideas that the florists can take up and push with a good credit to themselves and benefit to their neighbors. This idea was taken up in the City of Springfield and with the assistance of the State Society was made a great success and if time permitted I would like to tell you about it for the "City Beautiful" idea aside from its moral and uplifting tendencies is one of the greatest advertisements the craft could have. Get the masses interested, start with the children and the rest will come.

There is also another feature, an important one and that is statistics of our business. This was thoroughly discussed by our State Association and through this we have been able to get in connection with the Census Bureau and with the aid of our Society of American Florists we think we can, and will have a better census of our business than ever.

When you go before a legislature and ask for an appropriation they want to know who and what you are and we found that this was a very important feature, to know just how we stood and what better way of getting it than each State take up this work.

Now you may ask, what relation do we bear to our Society of American Florists. I answer that in this way. The same relationship as the State bears to the National Government, each working out its own problems, all for the common good and I believe it should be the policy of this society to foster and aid any state that will take up this work. We can make this Society stronger in membership and far reaching in the good work it can do, continuing its Committee in National affairs, such as express rates, statistics, postal laws, and like broad questions.

Do not forget that with this close relationship of State Societies you secure and inspire local interested workers in the cause, who through such interest, become eventually enthusiastic members of the Society of American Florists, the proud parent of them all.

#### OUT-OF-DOOR ROSES.

A Paper Read Before the Society of American Florists by W. C. Barry, Rochester, N. Y.

(Continued from Page 290)

##### Dwarf Polyantha Roses.

In the last few years the dwarf Polyantha or miniature roses have received great attention from rose growers and their introduction marks a new era in rose culture. They are quite hardy, flower freely, and continuously and the blooms are produced in clusters, rendering them very effective and valuable for bedding. Baby Rambler is one of the best being covered with crimson blooms all summer long. Clothilde Soupert bearing very large and beautifully imbricated pearly white flowers has proved to be a most excellent bedder and is rapidly winning wide recognition. Baby Dorothy, a new variety, is similar in growth and habit, but bears pink flowers. It too will be prized as a bedder. Cecile Brunner is one of the prettiest, bearing freely miniature flowers of perfect form, and salmon pink color. It is dainty and beautiful, grows well and flowers freely.

There are several others in this class which can be recommended like White Baby Rambler, Catherine Zeimet, Carnarion Vogel, Leonie Lamesch each one having charms of its own. Time will not permit me to refer to them at length, but let me assure you that they are real beauties, deserving of our most careful attention. From this time on it may be said that we possess real bedding roses, and our supply must be drawn mainly from this and the next section for that purpose.

I have left for the last the consideration of the Hybrid Tea roses which are marvellously beautiful. The introductions of Dickson & Son are of the highest merit, possessing all the charming qualities of the older roses, but intensified to a remarkable degree. The combinations have been most successful, and the new varieties may be said to be almost perfect. The buds are large, long and of fine shape, the shades of color new and charming and the open flower surprisingly beautiful. Killarney is one of the best known and grows in favor every year. It flowers freely and continuously, and is a good bedder. Other beautiful sorts are Bessie Brown—creamy white; Dean Hole—silvery carmine; Florence Pemberton—creamy white suffused pink; Lady Moyra Beaulere—bright madder rose; Liberty—brilliant velvety crimson; Mildred Grant—ivory white, shaded pink; Belle Siebrecht—bright rosy pink. Kaiserin Victoria, La France and Testout are too well known to need any recommendation. They are still held in highest esteem by rose lovers, and whoever plants them will not regret it. Gruss an Teplitz, a very free flowering crimson scarlet rose, is useful and effective. It grows vigorously, flowers freely, is quite hardy and may be styled a good bedder.

I think that I have nearly exhausted

your patience in presenting this long list, but before closing I wish to mention two tea roses of rare beauty and excellence which, even if they require extra care when grown out of doors, should always have a place in every garden. I refer to the Cochet roses, white and pink. I think when their merits have been fully realized they will be rated as the best roses we have.

#### A Remarkable New Rose.

In concluding I will refer to the new rose of Pernet-Ducher called Lyon-Rose, the result of a cross between Madam Melanie Soupert hybrid-tea and an unnamed variety. The flowers are of large size, moderately full, globular in form, of a superb shrimp pink color and fragrant. The buds are large, long and of a coral red. Mr. Pernet says that although this magnificent rose belongs to the class Pernetiana, it possesses all of the precious qualities of the hybrid teas, from which it has derived its principal character, and above all the advantage of perpetual flowering.

Among the new roses judged at Paris in the Bois de Boulogne recently, eighty-seven varieties being submitted, the Lyon-Rose received from the jury the maximum number of points, and it was the only one to receive the full number, our friend and member, Mr. E. G. Hill, being one of the jury of award. The race of roses called Pernetiana is a result of a cross between Persian Yellow and Antoine Ducher. Soliel d'Or belongs to this new race. It is certainly very gratifying to note the wonderful progress made in these crosses. The Messrs. Pernet-Ducher have been most successful and this latest production is excellent and will be greatly valued. It is a novel and most distinct rose. The flowers which I have seen the past summer have impressed me greatly and I consider it a novelty of the greatest importance.

On this occasion I can extend to you all, as lovers of the rose, my heartiest congratulations upon the achievements of the past as well as upon the bright future that is before us.

#### PARK ADMINISTRATION.

A Paper by J. A. Pettigrew, Superintendent of Parks, Boston, read before the American Association of Park Superintendents.

Your secretary has billed me to give the Association a paper on park commissioners and administration.

The subject of park commissioners has been discussed so recently in our bulletin that it seems unnecessary for me to say anything on the subject; furthermore, it is doubtful in my mind if its discussion would be proper or profitable.

The subject of park administration, however, is of the utmost importance to us all; so much depends upon the manner in which it is conducted that too much study cannot be given to the devising of ways and means of doing the work intelligently and economically.

There are various methods under which the executive and working forces of a park department are organized. Without criticising any method, I will endeavor to outline a plan of organization which is born of experience and practice.

The chief executive of the board should be the general superintendent, who should be one of wide experience and possess a good knowledge of ornamental horticulture and landscape gardening. It is equally important that he should be intelligent and energetic enough to assume responsibility and initiative, when the interest of the department demands it. To him all report of subordinates should be made, and all communications to the board of commissioners with reference to the park department should be made by him.

The general superintendent's staff may consist of one or more engineers and one or two assistant superintendents, as may be necessary.

The engineer should be one who can cut loose from exact lines and grades when, by an adaptation of existing circumstances, an artistic effect can be produced or a saving made. This is especially important in constructive work. While a good engineer cannot know too much about horticulture, he should, at least, know trees and shrubs fairly well, and have a knowledge of their soil requirements.

Assistant superintendents should possess, in degree, the same qualifications as those indicated for the superintendent. They should be assigned each to a definite district and be responsible for the prompt and efficient execution of the work; therefore, they should possess a large capacity for executive work.

Under the assistant superintendents there should be foremen who are experienced in handling men and work. While it is not absolutely necessary for foremen in constructive work to have horticultural knowledge, yet it would be helpful in the prosecution of their work. In maintenance work, however, it is indispensable that foremen should be trained horticulturists. For this reason, it will be found to be a good plan in the maintenance work of the department to divide the park system into districts, placing a gardener, with sufficient men to do the work, in each district. I find men with nursery experience good for this charge. They should know trees and shrubs, be able to direct the planting and care of them and the care of walks and lawns, have a sense of order and cleanliness, and be able to handle small gangs of men. In this way one of the most important features of successful park management can be secured; that is to say, the well-being and appearance of trees, shrubs, and all that goes to make pleasing park landscapes. The responsibility placed upon the gardeners has the effect of inducing a spirit of emulation among them, to vie with each other in efforts to surpass in excellence of work.

As to the greenhouse and flower garden, I am of the opinion that such features should be confined to one spot, and call the place a garden. The promiscuous dotting of flower beds and splashes of colors in parks is inharmonious, and it is certainly expensive as compared with results. Furthermore, I have found such a system provocative of jealousy. One locality thinks it is not equally favored as another, and, in the effort to appease, further extension is made; and thus it goes on, until what is really a florid, unnatural and evanescent feature of park adorn-



# CYCLAMEN (NEW CROP)

Giant Crimson, Giant Blood Red, Giant Salmon, Giant Pink,  
Giant Excelsior, White with claret base Giant White, Giant Cherry Red,  
Picturatum, Pink with claret base

Price per 1000 seeds, \$10.00; 100 seeds, \$1.00.

**R. & J. Farquhar & Co.** 6 @ 7 So. Market St.  
BOSTON, MASS.

ment attains an undue prominence, equalled only by its cost. This criticism applies only to exotic bedding plants. Hardy perennial plants and spring bulbs can be naturalized in the grass and on the borders of shrubbery in a natural and effective manner. This style of gardening can be handled by the district gardeners. If, however, you have greenhouses and have exotic bedding out to do, a competent plantsman will be required for the head, with a sufficient corps of gardeners.

The barn foreman, by reason of his close association with the teamsters, I find to be the best head under which to place street sprinkling for dust suppression; otherwise, teamsters are subject to the gardener or foreman of the district in which they may be at work.

Old or partly disabled men can be used for paper-picking or cleaning up, under the charge of the district gardeners.

Road-making and road repairs require a special equipment, which it is economy to keep steadily employed. With regard to grading, I prefer to do it with the park force. Park grading is so simple, just so much material to be moved, that it is more of the nature of adapting surface conditions, which cannot be sufficiently explained by plans and specifications to enable one to profit, yet much can be done by intelligent foremen under proper direction. Road-making I have also found to be more than compensated for in quality, if a little more costly when done by the park force.

A repair department effects a saving of time and money. This may include carpenters, plumbers, blacksmiths, painters, machinists and pipe-fitters, a harness-maker, a grinder, and a saw-sharpener. These can all be under one foreman. A little machinery and power are also a great convenience.

As to purchases, a good practice is to have samples submitted with proposals, and select for recommendation to the board according to quality as compared with prices, keeping the samples for reference. All requisitions for supplies should be referred to the assistant superintendent, thence to the general superintendent for approval.

For convenience in entering into the books, each foreman or gardener in charge of men should make a daily report of expenditures under the proper account for labor, which footing should correspond with his time book total for the same day, suitable

## FINE 4-INCH POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5.00 per 100; \$45.00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

blanks being furnished to each foreman for this purpose.

Small parks or playgrounds do not need the supervision of a foreman. Worthy laborers can be appointed to the charge with a slight increase of pay; if more than one man is needed, common laborers can be detailed to assist. I find this plan to work very well.

For conducting the play or work in children's play grounds we employ women, preferably school teachers, as they have better control over the children. They are available for this work each day after 4.15 P. M., and on Saturdays; also each day from 9 A. M. until 6 P. M. during school vacation.

The gardeners and foremen in charge of small gangs on maintenance work should be furnished with tool boxes on wheels for the ordinary tools needed in this work. They should also have portable sanitary closets. These conveniences prevent much loss of time. Foremen of construction gangs should have portable shanties, with cook stove and the attendance of a boy before lunch time to warm any food which may require warming. Little attentions of this character are much appreciated by the workmen.

The care of materials and tools is hard to regulate under any inexpensive system; the simplest is to have a general store house, in charge of a storekeeper, who shall issue stores only on the requisition of a foreman, charging the issue to the signer of the requisition. When stores are given out to replace broken tools, the broken tools should be handed in to the storekeeper as evidence. The storekeeper should be alert to investigate any suspicious requisition.

As to the number of men required

for maintenance work, no estimate can be given. So much depends upon the quality of the work and the amount of money available. Statistics of the cost per acre for park maintenance in various cities in the United States show that the cost varies from over seven hundred dollars per acre to less than one hundred dollars per acre.

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.

White Spruce, 3-4, 4-5, and 5-6 ft.

Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.

Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.

White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

**The New England Nurseries, Inc.**  
BEDFORD, MASS.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

### MENACE TO AMERICAN BULB TRADE WITH FRANCE.

An influentially signed petition against the interdict on American import of bulbs, etc., has been lodged with the French Government. The French nurserymen point out that their chief imports from the U. S. A. are Liliums and Tuberoses, neither of which could act as vehicle for importation of the San Jose Scale; their purchase of shrubs, etc., being quite insignificant. The only effect of the recent law has been that what American bulbs are urgently required are imported via England and Germany at an extra cost of 30 to 40 per cent.—Horticultural Advertiser, London, Eng., Aug. 19, 1908.

### MOVEMENTS OF GARDENERS.

Carl E. Kern has been appointed assistant superintendent at Spring Grove Cemetery, Cincinnati, O., where extensive improvements are under way. Mr. Kern was formerly with the National Cash Register Co. at Dayton, O., but work in the landscape department there has been suspended.

### USEFUL BOOKS.

Roses and How to Grow Them. By Many Experts. Price, \$1.10.

The New Cyclopaedia of American Horticulture. L. H. Bailey. Four volumes; \$20.00.

How to Make School Gardens. H. D. Hemenway. Price, \$1.10.

How to Make A Fruit Garden. S. W. Fletcher. Price, \$2.20.

How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.

How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.

The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.22.

HORTICULTURE PUB. CO.,  
11 Hamilton Place, BOSTON

Rhus typhina var. filicina is the subject of admiring comment by C. Sprenger in Die Gartenwelt for August 8. The foliage is described as twice-feathered, the under side grey-white, deeply indented and sometimes laciniated or irregularly toothed. The writer especially recommends this graceful shrub for the rockery, margins of streams, etc. The foliage turns scarlet and gold in autumn.

## ORCHIDS

Our latest importations have been, Cattleya Chrysothrix, Cattleya Gaskelliana, Cattleya Gigas, Hardyana district, Phalaenopsis Amabilis Schilleriana and others. We will receive in a short time, Cattleya Downiana, Miltonia Vexillaria and others. Later we expect for THE FIRST TIME IN AMERICA an importation of Cattleya Lawrenceana. On hand we have an immense variety of established and semi established plants, which we are selling now little above cost price

## GARRILLO & BALDWIN

SECAUCUS, N. J.

## TIE UP

Your Chrysanthemum Plants with  
**GREEN SILKALINE**

Made Especially for that Purpose.

JOHN C. MEYER & CO., Boston, Mass.

# READ THIS LIST and PRICES

## Araucaria Excelsa

## Kentia Forsteriana and Belmoreana

12-in. high....	\$1.50 per doz.	\$9.00 per 100
15 " " " "	2.75 " "	12.00 " "
18 " " " "	6.50 " "	35.00 " "
24 " " " "	10.00 " "	60.00 " "

## Areca lutescens

15 in. high....	\$3.00 per doz.	\$20.00 per 100
18 " " " "	4.00 " "	26.00 " "
20 " " " "	5.00 " "	35.00 " "
30 " " " "	6.50 " "	42.00 " "

## Pyramids Boxwood Trees in Tubs Standards

36 in. high.....	\$5.00 per pair	
48 " " " "	6.00 " "	
54 " " " "	9.00 " "	

\$8.00 to \$20.00 per pair

## Azalea indica well shaped plants, 20 best commercial varieties

10-in. diam....	\$3.00 per doz.	\$20.00 per 100
15 " " " "	5.00 " "	36.00 " "

12-in. diam....	\$4.00 per doz.	\$24.00 per 100
18 " " " "	9.00 " "	60.00 " "

## Azalea mollis

\$10.00 to \$25.00 per 100.

## Dracaena indivisa

4-in. pots....	\$1.60 per doz.	\$9.00 per 100
5 " " " "	2.10 " "	14.00 " "
6 " " " "	4.00 " "	24.00 " "

## Manetti Stock, very fine

\$7.00 per 1,000; \$66.00 per 10,000.

## Rhododendron to name 25 varieties

\$25.00 to \$50.00 per 100.

## Aspidistra

Green.....\$6.00 per doz. \$40.00 per 100  
Variegated.....\$8.00 per doz.

**Roses,** 2 and 3 years, field grown, excellent stock, 100 varieties, as Crimson Rambler, Baby Rambler, Ettoile de France, Richmond, Liberty, Druschki, Kaiserin, etc., etc. \$7.50 per 100, \$65.00 per 1000

ALL ABOVE F.O.B. NEW YORK. SUBJECT TO BEING UNSOLD

J. H. HENRY, 1157 Myrtle Ave., BROOKLYN N. Y.

# ORCHIDS

## FRESH IMPORTATIONS

Arrived in Perfect Condition

**Cattleya gigas** (true Hardyana type), finest plants seen. We offer these by the dozen or hundred or in case lots of selected plants.

**Cattleya Schroederiae**, finest plants and type ever seen. You need them for Easter flowering.

**Cattleya Trianae**, superb plants in quantities.

**Cattleya Trianae**, Topayan var., finest type known, and besides the most floriferous of any.

**Peristeria Elata** (Dove Orchid).

**Caelia Digbyana**, **Oncidium Kramerianum** (Butterfly Orchid), **Miltonia Vexillaria**, **Odontoglossum Harryanum**, **Sceptrum** and others.

We also offer all kinds of Established Orchids, selected Orchid-peat, Live Sphagnum Moss and Orchid Baskets in all sizes. Write for prices.

**LAGER & HURRELL, Summit, N. J.**

# ORCHIDS

## Orchid Baskets and Peat

Write for Prices

## JOSEPH A. MANDA

191 Valley Road - WEST ORANGE, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....	.80c per bbl
50-bbl lots.....	.75c per bbl
100-bbl lots.....	.70c per bbl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

# ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

# ORCHIDS

Our importation has arrived In Perfect Condition

**C. Gigas Sanderiana**, **C. Percivaliana**, **C. Gaskelliana**, **C. Mossiae**.

Expect **C. Mendelli** shortly.

ORDONEZ BROS., Madison, N. J.

## IMPORTED ORCHIDS

Arrived in Superb Condition

**Vanda coerulea**, **Cattleya Trianae**, **Cattleya gigas Sanderiana**, **Cattleya Schroederiae**, **Oncidium varicosum**.

JULIUS ROEHRS CO., Rutherford N. J.

'XTRA!

'XTRA!!

'XTRA!!!

All about the **terrible shortage** in the larger sizes of **Lilium Harrisii** which amounts to over 50 per cent. There are absolutely no more in the market. Wise growers are planting

## COLD STORAGE LILIES

**Lilium Longiflorum Giganteum** potted September 1st to 15th will flower for Thanksgiving and up to new year, **Lilium Speciosum Album** for Easter. This is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

## COLD STORAGE LILIUM GIGANTEUMS AND SPECIOSUMS, ETC.

Our stock of cold storage lilies are **not surplus or left over bulbs**, but bulbs put into cold storage on arrival, packed specially for this purpose. We offer them till sold as follows:—

### LILIUM LONGIFLORUM GIGANTEUM.

7— 8 inch, 250 bulbs in a case.....	\$15.00 per case;	\$6.50 per 100;	\$60.00 per 1000
7— 9 inch, 300 bulbs in a case.....	21.00 per case;	8.00 per 100;	70.00 per 1000
8—10 inch, 200 bulbs in a case.....	19.00 per case;	10.50 per 100;	100.00 per 1000

### LILIUM SPECIOSUM ALBUM.

8— 9 inch, 160 bulbs in a case.....	\$10.00 per case;	\$6.50 per 100;	\$60.00 per 1000
9—11 inch, 100 bulbs in a case.....	10.00 per case;	10.50 per 100;	100.00 per 1000
11—13 inch, 100 bulbs in a case.....	18.00 per case;	18.00 per 100;	175.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,** 342 WEST 14TH ST.,  
NEW YORK CITY

### BULB GROWING IN AMERICA.

At the regular meeting of the Florists' Club of Philadelphia on Tuesday evening, September 1, James Guille read a paper on the above topic. He called attention to the proportions to which certain branches of the bulb-growing industry had already attained in this country and predicted that the time is now not far distant when a large proportion of the money now spent in Europe for bulbs would remain here.

He spoke of the great trouble, delay and expense incurred in the importation of these goods and the vexations incident to valuation, also the difficulties of doing business with sources of supply 4000 miles distant. These drawbacks together with the cost of transportation, and the frequent loss from heating in transit are a powerful incentive to the production of bulbs in home territory and Mr. Guille believed that the proper soil, climate, etc., would not be lacking, there being an abundance of territory where conditions similar to those in Holland are found.

In his work hitherto he had met with varying success, some sorts responding to American culture much better than others. The labor question had been settled in part by the substitution of mules for hand labor, the land being so much cheaper here that abundant room for cultivation is available. He had found more or less prejudice against American bulbs which would in time be dissipated as their good qualities became apparent. He claimed superiority for American

### Surplus offer of

## FORMOSA LILIUM LONGIFLORUM

On account of unfavorable weather the bulbs of the Formosa Lilium Longiflorum did not grow up to the sizes expected but the plants formed good solid bulbs. We are convinced our 6/8 in. size will give the same results which under favorable conditions a bulb of 7/8 in. would produce, and if two bulbs are planted in one pot the plants make a nicer showing than those with a single stem.

6/8 in. bulbs, 100 in a case at \$16.00 per case, 5% cash discount.

## CALLAS, WHITE, JAPAN CROWN

Our stock is grown for one season in dry loamy soil to make these roots fit for the long journey, consequently they are not as large as California grown stock. They produce however more flowers and are perfectly healthy.

Size 1—2 in. in diameter \$45.00 per 1000, 5% cash discount.

**THE YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., N.Y.**

grown narcissi in their earliness of flowering, the difference in their favor amounting to from five to ten days, due to early ripening in the spring. He advised a more general forcing of Spanish iris for cut flower purposes, also the small early-flowering gladioli.

### BULBS FOR FORCING

Roman Hyacinths, Lilium Harrisii, Freesias, Tulips and Dutch Hyacinths.  
**PERENNIAL FLOWER SEEDS.**  
New crop for present sowing.  
Special prices on application.  
Sure Crop Mushroom Spawn, \$8.00 per 100 lbs.  
**Weeber & Don,** Seed Merchants & Growers  
114 Chambers St., New York

### Harrisii and Longiflorum, Freesias

French and California Grown.

**ALSO PURITY FREESIAS AND OXALIS.**

Now in and Ready for Delivery.

**H. E. FISKE SEED CO.**

12 Faneuil Hall Sq., BOSTON, MASS.

### HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

**ROMAN HYACINTHS** and the true **PAPER WHITE GRANDIFLORA**

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

## Seed Trade

This is the season of agricultural fairs and Uncle Hiram and his family are out to see and be seen. Annually the discussion as to what part the seedsman should take in these fairs waxes more or less warm, and the result is usually about a draw. Those who insist that the seedsman should on general principles aid agriculture even though the pecuniary profit be not large or immediate, seem to have the better of the argument, as anything that materially improves or benefits agriculture inures to the advantage of the seedsman. The distribution of catalogues and other literature, ought to be good advertising, and if accompanied by an exhibit of select vegetables should prove both interesting and instructive to the farmer. This method of advertising, however will no doubt be of greater benefit to a local seedsman than to the mail-order house which is usually more or less remote. However, it is often remarked that one large advertiser of any line of business, benefits every other firm in that line, and every liberal advertiser among seedsmen is more or less of a general benefactor of his trade.

Referring again to advertising at local fairs, the writer does not assume to speak with authority as to whether it is a paying investment or not, and inquiry among many firms which have tried it does not show unanimity by any means, though the weight of opinion is greatly in the affirmative. Many who are in the negative, look at the matter solely from its immediate effects, the quick returns, which seems hardly a fair estimate of its value. It is really as bread cast upon the water—to return after many days—often in a few days—but in any event sure to return with many fold increase, directly or indirectly.

After a week of unseasonably cool weather, accompanied by some light frosts and many scares, it has again turned warm, and two or three weeks more of such weather will place the corn crop beyond damage by any frost likely to visit the corn belt for many weeks to come. Prospects for vine seeds have brightened considerably, but beyond question there will be quite a shortage in muskmelons. No figures are at hand now, but they will be given as soon as available.

Further and more extended crop news will be given in next week's HORTICULTURE, and it may be well to call attention to the many crop rumors afloat, many of which flatly contradict the other. Such crop news as is given in HORTICULTURE correctly represents conditions at that writing, but as stated in a recent issue, conditions rapidly change earlier in the season, and most promising conditions may be changed to the opposite, and vice versa, within a week or two. At this season of the year about the only crops subject to important changes are corn and vine

seeds, and these are susceptible of very little improvement, though of serious detriment.

There were many prophecies of a heavy shortage in tomatoes earlier in the season, but weather for the most part has been ideal for ripening the crop, and excepting where the fruit has failed to set, prospects are for a good average crop, and seed should be somewhat easier in price than last year.

A reorganization of The Templin Co. may be looked for at an early day, though possibly not in accordance with the plans of the receiver, who, according to some reports, is eager to obtain the business for himself, having found it profitable even under the adverse conditions in which it was placed the past season. The business was to have been sold at some date in July last, but the sale was postponed at the request of the receiver. It is earnestly hoped that whoever obtains control, the high standard for quality and integrity, always a marked characteristic of this concern, will be fully maintained.

### HOLLAND SEED CROP REPORT.

Sluis & Groot report on the various seed crops in Holland, as follows:

White, Red and Savoy Cabbage, Brussels Sprouts and Borecole.—More than half of our plantations have been destroyed by frost. They promise a medium crop, and in some places they look even bad, especially on account of the plants starting to grow again after having produced already a great many pods. This is due to the fact that rains came too late, and it is of course highly detrimental to the undeveloped seeds in the pods. Many varieties will be rather scarce next season. Turnips and Swedes—A very large part was destroyed last spring by frost. The remainder does not look so very well, because there are worms in the pods owing to the unfavorable weather for this article. Kohlrabi—Little sown; stands fairish. Mangel-Wurzel, Sugar Beet and Beet—From present prospects we expect a good crop, but there are few plantations. Carrots—The plantations of the later varieties are very unimportant. Those of the early varieties are of usual importance. As a whole there is not a very promising stand. Parsnips and Scorzonera—Good, usual acreage. Cornsalad—The new crop will be relatively small. Radish, Summer—The plantations are not very important. Partly they are looking rather well, but in some instances they promise less than a medium crop. Radish, Winter—Not much planted. Stand very promising. Onions—Very small acreage. Stand is partly good, but in some parts only a middling one. Moreover blight appears in some districts. Garlic Bulbs—Good. Celeriac—The plantations of this article are of usual importance and they look very good. Parsley—A very small area has been planted, but this article looks promising. Borage—Looks good, but only small quantities have been sown. Chervil—Small crop, for considerable acreage was lost. Spinach—The plantations of this article are of usual importance, and they are looking rather good, but part of them were lost last spring.

Cucumbers—Pretty good but there are only a few plantations. Peas—Generally good, but some fields suffered from blight. Dwarf-Beans and Running-Beans—The general standing is under middling, but the plantations are rather important. English Beans—We expect an average crop.

Owing to the very favorable weather, flower seeds are looking very well with the exception of a few perennial articles, which suffered more or less from frost, such as Campanula Medium, Myosotis dissitiflora, etc. Antirrhinum—Promises a very good crop. Calliopsis—Looks all right. Campanula—The annual varieties are good. Perennial promise less than a medium crop. Candytuft—Middling crop, little has been sown. Centaurea—Good standing. Convolvulus—Stand very good. Dianthus—We will probably have a very good crop. Eschscholtzia—Very good. Gypsophila—Rather good, but few plantations. Helichrysum—Looks promising until now, but little has been sown. Lobelia—Stand good until now. Mignonette—In some places they are thin, especially the better varieties, but generally speaking, they are good. Mimulus—Promises a pretty good crop. Myosotis—Looks rather good. Nasturtiums—There are much less plantations than usual, but they look rather good. Pansies—There are not many plantations of this article. The plants look all right, but if this persistent drought continues, they will not produce a large quantity of seeds. Papaver—Good crop. Petunia—Looks very good. Phlox—The plants are looking good, but probably there will not be many seeds. Rhodanthe—Pretty good, but few plantations. Stocks—Virginian—Stand good as yet. Ten-Week-Stocks—Magnificent stand. Verbena—Good until now. Wallflower—Crop very probably under middling. Many plants have been destroyed by frost.

### MARKET REPORT FROM CANARY ISLANDS.

#### Bermuda Onion Seeds.

In a country like the Canaries where no record is kept by the Custom House authorities, it is quite im-



**POT GROWN STRAWBERRY PLANTS**  
Set in August and September will give a full crop next June. Our new method of growing them gives fine roots. C. S. FRAZEE, Reading, Mass. Send for Catalogue.

possible to know the exports to the U. S. or elsewhere, and even the recourse of obtaining said information from the American Consul is useless, because one or two of the principal exporters make out consular invoices in English ports, through which nearly all the goods from this country to the U. S. must pass. However, the ultimate results of the crops this year have baffled all expectations, turning out to be less than half of probable yield.

American buyers have had their orders very much cut down by shippers on this side, and the demand for White Bermuda and White Crystal Wax has been considerable. There are still a few late parcels being offered by small agriculturists here, but my honest advice to American buyers would be not to purchase anything more for the present season and they will be on the safe side. Most of the native farmers are very primitive in their methods and, with no special knowledge of agriculture, one of the consequences of their ignorance is that many hybrid onions have been raised year after year. Standard stock can only be obtained under an intelligent supervision.

Little attention is paid by exporters of seeds to the U. S. to keep absolutely true the distinctive flattish-round shape of the Bermuda onions, and although, in general, American seedmen have been satisfied with what they have received in previous years, there is plenty of room for improvement. I would advise that seedmen and dealers in the U. S. can considerably help in the task of perfecting the cultivation of Bermuda onion seeds if they order a minimum quantity of their likely requirements one year ahead—that is, that such minimum quantity orders should be in the hands of Teneriffe exporters not later than in the month of August of each year.

#### Flowers and Bulbs.

Kindly call the attention of interested parties through your valuable paper to the fact that our climate and soil are well adapted for raising under the most favorable conditions nearly all kinds of foreign flower seeds, plants and bulbs, especially in the famous Orotava Valley, and at Laguna the climate and dampness of the latter district being somewhat similar to that of Holland, and it is a splendid district for raising bulbs.

FEDERICO C. VARELA.

## CYCLAMEN SEED

### Michell's Fancy Giant Strain

Duke of Connaught. Crimson.  
Excelsior. White with red eye.  
Grandiflora Alba. Pure white.  
Princess of Wales. Pink.  
Salmon Queen. Salmon Rose.

Price, \$1.25 per 100 seeds;  
1000 seeds \$10.00.

Mixed. All colors. Per 100 seeds \$1.00.  
\$3.00 per 1000 seeds.

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

## C.C. MORSE & CO. 48-56 JACKSON ST., San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## Thorburn's Bulbs

Roman Hyacinths,  
Bermuda Easter Lilies  
Narcissus Paper White Grandiflorus  
Freesias, etc.

Seeds of our Magnificent Strain  
Cyclamen Giganteum. Asparagus plu-  
mosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

## SOW NOW MY STRAIN OF Hardy Garden Carnations

	as;	Per Oz.	Tr. Pkt
Special Mixture of extra double flowers.	\$2.50	.30	
Dwarf Scarlet Grenadin	2.00	.30	
Early Dwarf Vienna, finest mixed.	1.00	.20	
New Early White Vienna, fine for cut.	1.50	.20	
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed.	4.00	.50	

**O. V. ZANGEN, Seedsman**  
HOBOKEN, N. J.

In ordering goods please add  
"I saw it in HORTICULTURE."

**WIZARD BRAND** MANURE  
PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE



Cattle Manure in bags, shredded or  
pulverized. Sheep Manure—kilo  
dried in barrels.

Best and safest manure for florists  
and greenhouse use.

Absolutely Pure  
No Waste  
No Danger

Write for literature and country  
prices.

**THE PULVERIZED MANURE CO.**  
31 Exchange Ave., Union Stock Yards, Chicago

## Rams Head SHEEP MANURE

Pulverized or Compressed, 100 lbs. \$1.75  
**W. ELLIOTT & SONS**  
42 Vesey St., New York

## BRIDGEMAN'S SEED WAREHOUSE RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - - CALIFORNIA**

## READY For Prompt FRENCH and DUTCH BULBS

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

## Burpee's Seeds PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit.

## JUST ARRIVED LARGE SHIPMENT OF High-Grade SCOTCH SOOT.

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON

## Winter-flowering SWEET PEA SEED All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANEK**  
ORIGINATOR. BOUND BROOK, N. J.

**SKIDELSKY & IRWIN CO.**  
Plants, Bulbs, Seeds  
144 No. 7th St.  
PHILADELPHIA, PENNA.

## C AULIFLOWERS C A B B A G E

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX

Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Mafn

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Edo A. Vanderploeg, of Erie, Pa., has taken a position at Mobile, Ala.

Alvin Sproule, an employee of William Sims, Cliftondale, Mass., fell and broke two ribs on August 28.

Mr. Wm. R. Smith is reported as still in very feeble health at his home in the Potomac Garden, Washington, D. C.

A. Lenthly, of Roslindale, Mass., arrived at New York on the French line steamer on August 31 and reported a very rough voyage.

Visitors in New York: J. E. Marrett, wife and daughter, Louisville, Ky.; Messrs Cole, Peoria, Ill.; William Jurgens, Newport, R. I.

F. W. Ball, HORTICULTURE'S representative in Cincinnati, has been on the sick list, but expected to be able to attend to business the last of this week.

J. R. Shields, superintendent for Mr. P. G. Crane, Dalton, Mass., arrived in

### STEAMER DEPARTURES

#### Allan.

Corsican, Montreal-Liverp'l. Sept. 18  
Victorian, Montreal-Liv'p'l. Sept. 11  
Virginian, Montreal-Liverp'l. Sept. 25

#### American.

New York, N. Y.-Shampton. Sept. 12  
Atlantic Transport.

Mesaba, N. Y.-London. . . . . Sept. 12  
Cunard.

Ivonia, Boston-Liverpool. . . Sept. 8  
Lucania, N. Y.-Liverpool. . . Sept. 9  
Etruria, N. Y.-Liverpool. . . Sept. 12  
French Line.

La Provence, N. Y.-Havre. . . Sept. 10  
La Lorraine, N. Y.-Havre. . . Sept. 17

#### Hamburg-American.

Bluecher, N. Y.-Hamburg. . . Sept. 10  
Pennsylvania, N. Y.-Hamburg. . . Sept. 12  
Leyland.

Devonian, Boston-Liverpool. . . Sept. 9  
Cestrian, Boston-Liverpool. . . Sept. 16  
North German Lloyd.

Kronpr. Wm., N. Y.-Bremen. . . Sept. 8  
Kaiser Wm. II., N. Y.-B'm'n. . . Sept. 15  
K. Wm. der Grosse, N. Y.-B'n. . . Sept. 22  
Red Star.

Finland, N. Y.-London. . . . . Sept. 12  
Zeeland, N. Y.-London. . . . . Sept. 19  
White Star.

Adriatic, N. Y.-Shampton. . . Sept. 9  
Cedric, N. Y.-Liverpool. . . . . Sept. 10

New York per S. S. Oceanic, after two months spent in Europe visiting many of the famous gardens there.

Thomas F. Heffernan, engineer at the Crawford Greenhouses, Campello, Mass., while working on some overhead piping lost his footing and fell about fifteen feet, sustaining severe injuries.

Visitors in Boston: G. E. Baldwin, of Carrillo & Baldwin, Secaucus, N. J.; Paul Berkowitz, of H. Paversdorfer & Co., Philadelphia, Pa.; H. A. Bunyard, representing A. T. Boddington, New York City; D. Lumsden, Dunham, N. H.; Sam. Burns, of the Weathered Company Jersey City, N. J.; Julius Dilloff, representing Schloss Bros., New York City.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

## HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

## THOS. F. CALVIN

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

## JULIUS A. ZINN,

2 Beacon St., Boston.

Fine Design Work a Specialty

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.

# A Niagara Conquest

Throngs of Visitors at the S. A. F. Trade Exhibition pronounced our Exhibit to be the Finest Display of **NEW NOVEL AND APPROPRIATE** Florists' Supplies ever made on the American Continent. And they backed it up with large orders for immediate delivery.

**REMEMBER** We have the goods you will need to start the fall trade successfully. In variety, quality and price they are unrivalled. Write for descriptive list. Order early.

## H. BAYERSDORFER & CO.

The Representative Florists' Supply House of America  
1129 Arch St., Philadelphia

### FAIR AND NEIGHBORHOOD FLOWER SHOWS.

Stratham, N. H., 15th annual aster show on August 27.

Salt Lake City, Utah, flower festival, September 17-19, 22-25.

Webster, N. Y., flower carnival closed August 21 and was pronounced a decided success.

Paterson, N. J., Totowa Dahlia and Flower Association, August 29 to September 2, flower show.

Springwater, N. Y., floral exhibition, August 20; a collection of water lilies was the leading feature.

Marshfield, Mass., Agricultural and Horticultural Society held its 42nd annual exhibition, August 27, 28.

Athol, Mass., Prof. S. T. Maynard of Amherst and A. A. Hixon of Worcester, Mass., will act as judges at the Athol fair.

Worcester, Mass., County Horticultural Society, annual exhibition for boys under 14, August 29. Rockwood Reed secured five prizes.

Rockville, Md., agricultural and botanical fair, August 25-28. Prizes in the flower section seemed to be about evenly divided between Miss Ellen Farquhar and Mrs. W. E. Ricketts.

Fairport, N. Y., Floral Society held its fourth annual flower carnival Aug. 27, 28. The schedule included 52 classes, with attractive cash prizes. Charles Vick of Rochester and F. Fisher of Fairport were the judges.

Iachine, Can., Horticultural Society flower show, August 20. The display of phloxes, petunias and zinnias were unusually fine. Robert Burrows, gardener to R. B. Angus, showed some peaches of enormous size. W. J. Wilshire, Alex. Gibb, J. Dunbar, J. Eddy, George Pascoe, D. Wright and J. Kirkwood were the judges.

### CHICAGO PERSONALS.

Mr. and Mrs. Chas. W. McKellar are at Mt. Clemens, Mich., where they went at the close of the convention.

Chicago visitors: Mr. Powell of the Colonial Floral Co., Goshen, Ind. Mr. and Mrs. J. F. Johnson of Ft. Smith, Ark., are Chicago visitors. While here Mrs. Johnson was taken ill, and is in the hospital. William and Albert Smith, of the Leonard Seed Co., have returned from a rather extended vacation. Frank Oechslein is taking treatment for rheumatism at Benton Harbor, Mich.

### NEWS NOTES.

George Wilson & Sons have started in the nursery business at Marysville, Md.

J. A. Van Kirk intends to start a nursery for citrus fruit trees on the land he has recently acquired at Phoenix, Ariz.

The greenhouses of John M. Williams, Greenwich, Conn., were damaged to the extent of \$2000 by fire on August 19.

The idea of observing one day as "Flower Day" in cemeteries is said to have originated with the Oak Grove Cemetery, Springfield, Mass., in 1903, and the day set apart for this purpose is September 8.

The New Floral Co., E. B. Hutchins manager, moved into more spacious quarters in the Masonic Building, Bangor, Me., on August 25. The rooms were handsomely decorated and were thronged with visitors on the opening day.

The farmers of Ivoryton, Conn., who have neglected to destroy the wild carrots on their land have been served with a warning by the grand jurors that the law will be enforced. A fine of \$5 may be collected for each additional day after the notice has been served.

At the Flower Market auction sale in Boston last Saturday, F. W. Fletcher had a large flat bunch of Physostegia Virginiana on exhibition to show the adaptability of this flower for funeral floral work. The effect is very pretty, the delicate heather-like pink tint combining nicely with the green material. This flower is gradually securing a foothold in the estimation of the Boston florists.

Auction sales of choice of stalls at the two Boston flower markets came off successfully on Saturday, Aug. 29, results being satisfactory in each. First choice at Park Street Market was sold to Waban Rose Conservatories for \$110.00, and first at Music Hall Market to Rosemere Conservatories for \$102.00. Second choice in each place was sold for \$80.00. Mr. Cartwright states that the aggregate sales at Park street amounted to nearly \$5000, something in excess of last year. Treasurer Carmichael of Music Hall states that the average of price this year was \$5.00 per stall better than last and that six new members were gained.

### BUSINESS CHANGES.

Albert Houle has purchased the business of Robert Abbs at Toronto, Canada.

Wollaston & Wallace, Oak Bay, Victoria, B. C., have sold out to Flewin's Gardens.

Wm. E. Hazard has purchased the retail business of J. F. Wood, Providence, R. I.

The Humphrey Floral Co. has bought the Mitchell greenhouses at Rome, N. Y.

The Rode greenhouse at Bowling Green, O., was sold at receiver's sale on August 19 to George E. Mercer.

Donald Cameron of Newburgh, N. Y., has bought of J. J. Braun his stock in the Stafford Floral Co., Stafford Springs, Conn., and has leased the greenhouses.

### INCORPORATED.

Schattmaier Floral Co., Newark, N. J.; C. B. Cullen, J. G. Schattmaier, A. B. Crane; capital, \$10,000.

Farmers' Nursery Co., Tippecanoe, O.; President, T. J. Dinsmore, secretary, S. R. Fergus; capital increased to \$200,000.

### NEW RETAIL FLOWER STORES.

Walter & Hill, Denver, Colo.

The Rosary, Montgomery, Ala.

Clinton Falls Nursery Co., Owatonna, Minn.

## HAND BOOK

of Cultural Notes on

## ROSES UNDER GLASS

BY FRANK P. BRIGHAM

Price 25c. By Mail

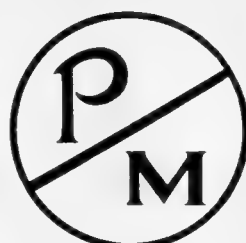
Order from HORTICULTURE. No rose grower should be without this practical little book.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## NIESSEN American Beauty Roses

New Crop—Extra Choice  
SUMMER PRICES

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.  
After June 27th Store closes 6 p. m.



QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

**MRS. JARDINE**, The new pink rose—best on the market at present. Price \$6.00 to \$8.00 per 100

**ASTERS**, Extra Choice  
Frame and greenhouse grown.  
\$2.00 and \$3.00 per 100

**VALLEY**, Extra  
The "Come-again" kind.  
\$3.00 and \$4.00 per 100

**EASTER LILIES**, \$15.00 per 100

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

**CUT FLOWERS**

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
46-47-49 WABASH AVE., CHICAGO

## FANCY LATE ASTERS

CHOICE QUALITY

**W. E. McKISSICK** WHOLESALE FLORIST  
PHILADELPHIA

1619-1621 RANSTEAD ST.

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.  
Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

**E. A. BEAVEN**

**Southern Wild Smilax,**  
Log Mosses,

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

In ordering goods please add "I saw it in HORTICULTURE."

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 38

**AMERICAN BEAUTY** and all other ROSES  
**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 1	TWIN CITIES Aug. 31	PHILA. Sept. 2	BOSTON Sept. 3
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	20.00 to 30.00	20.00 to 30.00	20.00 to 25.00	15.00 to 25.00
Extra.....	15.00 to 20.00	18.00 to 20.00	15.00 to 20.00	12.00 to 15.00
No. 1.....	10.00 to 15.00	10.00 to 15.00	12.50 to 15.00	6.00 to 10.00
Lower grades.....	5.00 to 10.00	6.00 to 8.00	10.00 to 12.50	1.00 to 4.00
Bride, 'Maid, Fancy & Special.....	3.00 to 6.00	4.00 to 6.00	6.00 to 8.00	3.00 to 4.00
Lower grades.....	1.00 to 3.00	1.00 to 4.00	2.00 to 4.00	.25 to 1.00
Killarney, Richmond, Fan, & Sp.....	5.00 to 8.00	4.00 to 6.00	6.00 to 8.00	2.00 to 4.00
Lower grades.....	2.00 to 5.00	3.00 to 4.00	2.00 to 4.00	.25 to 1.00
Kaiserin, Carnot.....	4.00 to 6.00	3.00 to 6.00	2.00 to 8.00	.50 to 6.00
Golden Gate, Chateaux, etc.....	2.00 to 6.00	3.00 to 6.00	2.00 to 6.00	.25 to 4.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	1.00 to 2.00	1.50 to 2.00	..... to 2.00	1.00 to 1.50
Ordinary.....	.40 to 1.00	.75 to 1.00	1.00 to 1.50	.50 to .75
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	40.00 to 50.00	..... to 75.00	50.00 to 60.00
Lilies.....	5.00 to 10.00	4.00 to 10.00	..... to 15.00	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Asters.....	.40 to 5.00	1.00 to 2.00	.50 to 3.00	.35 to 1.00
Gladoli.....	2.00 to 5.00	2.00 to 5.00	2.00 to 3.00	1.00 to 3.00
Sweet Peas.....	.10 to .40	.25 to .50	..... to 1.00	.10 to .25
Adiantum.....	.75 to 1.00	1.00 to 1.50	..... to 1.00	1.00 to 1.50
Smilax.....	6.00 to 10.00	12.00 to 15.00	..... to 15.00	10.00 to 12.00
Asparagus Plumosus, strings.....	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " & Sprz. (too bchs.)	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	15.00 to 50.00

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of **CUT FLOWERS**

Prices Quoted in these Columns are for Dealer Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.

## Flower Market Reports.

**BOSTON** There was some hope that the spell of dark and cold weather would so reduce the product as to clean up the market on accumulated stock, but that hope has vanished. Every kind of material from the "fakir brand" of rose up to the "special" Beauty, stands just where it did, and the stagnation shows no signs of diminution. Asters are in by the car-load—beautiful ones at that, and a credit to the grower—but it is impossible to move them and prices are at the vanishing point. All other material is in full supply, and the buyer sets the price.

**CHICAGO** Spasmodic is the word that best expresses the condition of the Chicago market. A brisk shipping trade will be followed by no trade at all and local conditions are not much better. The bulk of the sales are for funerals, so white and light colored flowers are selling better than red. Good Kaisersins sell rapidly. Killarney and Richmonds open up so fast that they must be moved quickly or lost. Brides and Bridesmaids are small and it will be two or three weeks before good ones are in. Marshall Field has proven itself a grand rose for summer blooming and Peter Reinberg is well pleased with its behavior this summer. In carnations White Perfection for white and Scott for pink have led for summer blooming. White Perfection comes early, stays late and is not inclined to get sleepy in the hot weather. Gladioli are not all that could be desired. Very many poor ones are seen in the market and good ones are selling for less than the cost of the bulbs. Lilies are not very much in evidence, but are good in quality. Sweet peas are practically out of the market

September brings but **NEW YORK** a slightly increased demand, which is more than offset by a growing supply of material. The cut of roses is heavier, and there are many more asters coming into the market; of the latter many are of fine quality, long stems and large flower. As yet, Beauties are more plentiful in short grades; there is, however, a sufficiency of specials, the call for which is variable, with consequent price fluctuations; in fact, with present conditions anything like a fixed price is out of the question. Carnations do not yet figure to any extent. There are some from out-doors and a few from inside. The protected flowers look good. Field-grown stock of the named varieties is plentiful. Gladioli are only of fair quality. Lilies are not so plentiful as they have been and there is at least a temporary improvement in their sale and

# ASTER <sup>TRADE MARK</sup> Lady Roosevelt

## THE QUEEN OF AUTUMN

### CHRYSANthemum TYPE

**Cut Flowers for Sale** In order to get introduced to the trade we hereby offer for sale to the retail florists of the United States and Canada cut flowers of this world famous, improved, unexcelled type of Aster. We expect by the time they come into bloom, which will be about the 15th of September, to have the plants standing 4½ to 5½ feet tall, possibly some few of same 6 feet, enabling us to cut boom stems ranging from 33 to 48 inches (4 feet) in length, with flowers from 4 to 5 1-2 inches in diameter. The prices, the same as Roses, will be graded according to the length of stems, ranging from 50c to \$2.00 per dozen. On account of the extra length of stems, they being of a stiff, wiry nature, capable of sustaining the extremely large bloom may be shipped 1500 to 2000 miles without deterioration, as they absorb sufficient water to preserve them in transit. A trial sample order of a few dozen is solicited, which will be, by far, more convincing as to the merits than all we might say.

A price list with terms of sale, embodied in an illustrated 1908 invitation folder, or hand bill, will be sent to interested parties upon application. Said folder also contains much of interest relative to the development of this new strain and type of Aster, seed of which we have sold, during the past spring, in nearly every state in the Union, also Canada, Europe and Australia, and is being grown after our improved methods of Scientific Intense Culture instructions, which are original with ourselves and unlike the methods set forth by seedsmen and practiced by Aster growers generally. We already have orders booked from retail florists for sample shipments of Asters from cities far and near; viz.: Denver, Colo.; Boston, Mass.; New Orleans, La., and Toronto, Canada.

**THE SCIENTIFIC INTENSE CULTURE RANCH**  
Chas. A. Kibbe, Mgr. Box 344, Elmhurst, Ill.

price. Lily of the valley has been and is supplied faster than it is consumed. Signs of any marked improvement in market conditions are lacking, and little can be expected except occasional spurts for some time to come.

**PHILADELPHIA** The market shows possibly a slight recovery. Good frame and greenhouse-grown asters are now coming in abundantly. The Crego, one of the choicest, is an improved Comet. These ought to bring at least \$4.00 to pay the grower for such superb stock, but the majority of retailers don't feel keyed up to anything over \$2.00 or \$3.00. American Beauty roses are good and cleaning up nicely. Mrs. Jardine has made its appearance, and is the best pink rose on the market at this writing, and improving right along. Orchids very, very scarce. Easter lilies are also scarce, and a good market is found for all first-class stock arriving. The green market has improved a little, especially on smilax. Gladioli are draggy. Even the light colored are slow, and the darks go begging. How is it that a dark red dahlia is the best seller, while a dark red gladiolus is the worst?

#### PHILADELPHIA NOTES.

Sept. 22nd is the date of the dahlia show at Vincent's, White Marsh, Md. A number of Philadelphians will attend, leaving on the 8.15 A. M. train.

A Philadelphia wholesaler philosophizes on advertising, thus: The demand for our goods is hard to start,

but once started, it spreads like wild-fire. That's why it pays to spend in advertising a hundred times the value of the customer's first order. We have long given up the idea that "good goods will always sell themselves," and now keep constantly hammering until the people are compelled to listen to us. A merchant's advertising expenditures should at least equal the rent of his business premises. We often spend more.

Bookings for rose White Killarney are reported to be quite extensive in this city. The Waban surplus has been engaged by the Pennock-Meehan Co. The Pennock-Meehan Co. have also arranged with the raisers of the new carnation, O. P. Bassett, so as to supply the trade in this vicinity for the coming season.

The next few weeks will see most of the vacationists back. Wm. Falck appeared on the Pennock Bros. fence this week, after an absence of three months in Europe. Chas. E. Meehan had a good time in Canada and New England. Arthur A. Nielsen took the opportunity after convention to make many long contemplated calls. Robert Kift went to see "the Philistine" at East Aurora, N. Y., and called on friends elsewhere.

Amos Eldridge Brown, the financial expert of Burpee's, arrived home from Europe on the 31st ult. Edinburgh he considered the loveliest city of the old world, picturesque, historically and sentimentally unique.

Visitor in Philadelphia: A. T. Bodington.

**CUT ASTERS** 50c to \$1.50 per hundred  
**CUT GLADIOLI** \$3.00 per hundred

**ALTIMO CULTURE CO.**

Canfield, Ohio.

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist **SELLING AGENT FOR  
LARGEST GROWERS**  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
GARDENIAS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
**CUT FLOWERS**  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown  
**Finest Lilies in the Market Every Day in the Year.**

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending Aug. 29 1908		First Half of Week beginning Aug. 31 1908			Last Half of Week ending Aug. 29 1908		First Half of Week beginning Aug. 31 1908	
<b>Roses</b>					<b>Carnations, Fancy and Novelties.</b>	1.00 to 1.50	1.50 to 2.00		
Am. Beauty, fan and sp. ....	10.00	to 20.00	10.00	to 20.00	“ Ordinary .....	.50 to .75	.....	to 1.00	
“ extra .....	6.00	to 8.00	6.00	to 8.00	<b>Cattleyas</b> .....	50.00 to 60.00	50.00 to 60.00		
“ No. 1 .....	4.00	to 6.00	3.00	to 5.00	<b>Lilies</b> .....	3.00 to 6.00	3.00 to 6.00		
“ Lower grades .....	.25	to 2.00	.25	to 2.00	<b>Lily of the Valley</b> .....	1.00 to 2.00	1.00 to 2.00		
Bride, 'Maid, fan and sp. ....	2.00	to 4.00	3.00	to 4.00	<b>Asters</b> .....	.25 to 1.00	.25 to 1.00		
“ lwr. grds. ....	.25	to 2.00	.25	to 2.00	<b>Gladioli</b> .....	1.00 to 3.00	1.00 to 3.00		
Killarney, Richmond, fancy & spec	3.00	to 5.00	1.00	to 4.00	<b>Gardenias</b> .....	10.00 to 12.00	10.00 to 12.00		
“ lower grades. ....	.25	to 2.00	.25	to 2.00	<b>Sweet Peas per 100 bunches</b> .....	2.00 to 4.00	2.00 to 4.00		
Kaiserin, Carnot .....	.25	to 5.00	.25	to 4.00	<b>Adiantum</b> .....	.50 to .75	.50 to .75		
Golden Gate, Chateau, etc .....	.25	to 5.00	.25	to 4.00	<b>Smilax</b> .....	6.00 to 10.00	10.00 to 12.00		
					<b>Asparagus Plumosus, strings</b> .....	20.00 to 25.00	20.00 to 25.00		
					“ “ & Spreu. (100 bchs.)	10.00 to 20.00	10.00 to 15.00		

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. **New York.**

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites

**TRAENDLY & SCHENCK**  
**WHOLESALE FLORISTS**  
Furnish best stock at fair prices all the year round Send for quotations on fall orders  
Tel. 798.799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 **NEW YORK**

**WEIGEL & UJFALUSSY**  
Successors to Emil Steffens  
Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.  
136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.  
Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.





# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## FANCY and DAGGER

Extra fine, \$1.00 per 1000. Bronze and Green Galax, \$1.25 per 1000, \$8.50 case of 10,000. Leucothoe Sprays, \$1.00 per 100, \$7.50 per

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25.

Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock.

Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## Flowers and Florists' Supplies

The best place in AMERICA to buy

## BAY TREES

N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

## Anything of Value

to the profession

## CAN BE SOLD

through advertising in

## Horticulture

## SAMUEL A. WOODROW

WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.

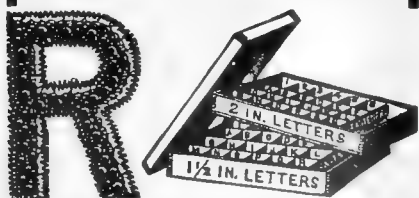
53 West 30th Street, NEW YORK

Telephone 2083 Madison

In ordering goods please add "I saw it in HORTICULTURE."

## BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2. Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

N. F. MCCARTHY, Manager  
66 Pearl Street, BOSTON, MASS.

## H. C. BERNING

Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.



## Henry M. Robinson & Co.

Wholesale and Commission

FLORISTS

## Hardy Cut Evergreens and Florists' Supplies

NEW CROP DAGGER AND FANCY FERNs, \$1.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.



## WHOLESALE FLOWER MARKETS.

PER 100. TO DEALERS ONLY.

	CINCINNATI Aug. 30	DETROIT Aug. 31	BUFFALO Aug. 31	PITTSBURG Aug. 31
<b>ROSES</b>				
Am. Beauty, Fan, and Sp.....	15.00 to 25.00	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00
“ Extra .....	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00
“ No. 1.....	10.00 to 12.00	9.00 to 12.00	10.00 to 12.00	6.00 to 8.00
“ Lower grades.....	..... to 10.00	..... to 10.00	3.00 to 6.00	2.00 to 3.00
Bride, 'Maid, F. & S.....	3.00 to 4.00	4.00 to 6.00	..... to 6.00	..... to 6.00
“ Low gr.....	..... to 2.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan, & Sp.....	..... to 3.00	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00
“ Lower grades.....	..... to 2.00	2.00 to 4.00	3.00 to 4.00	..... to 2.00
Kaiserin, Carnot.....	..... to 3.00	3.00 to 6.00	3.00 to 7.00	2.00 to 3.00
Golden Gate, Chatenay, etc.....	..... to 3.00	3.00 to 6.00	4.00 to 5.00	3.00 to 6.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	2.00 to 3.00	..... to 2.00	1.50 to 2.00	..... to 2.00
Ordinary.....	..... to 1.50	1.00 to 1.50	1.00 to 1.50	.75 to 1.50
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	15.00 to 35.00	40.00 to 50.00	..... to .75
Lilies.....	..... to 10.00	10.00 to 15.00	3.00 to 12.00	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asters.....	2.00 to 3.00	3.00 to 3.00	2.00 to 2.00	1.50 to 3.00
Giadoli.....	..... to 3.00	4.00 to 8.00	2.00 to 3.00	1.50 to 4.00
Sweet Peas.....	..... to 1.00	1.00 to 2.00	2.00 to 2.00	..... to 1.00
Adiantum.....	.50 to .75	1.00 to 1.50	.50 to 1.50	1.00 to 1.25
Smilax.....	..... to 10.00	20.00 to 20.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, strings.....	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	30.00 to 50.00
“ “ & Spren. (100 bchs.)	15.00 to 25.00	30.00 to 50.00	25.00 to 50.00	25.00 to 35.00

The advertisers on this page do business the whole year round. If you have flowers to consign this is worth remembering.

## GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of EVERGREENS

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.

For sale by dealers

In writing to Advertisers kindly mention HORTICULTURE

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## ADIANTUM CROWEANUM

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

We have a specially fine lot of Arauca-  
rias—the plants at \$1.00 each are extra  
value for the money.

4-inch.....50 cents each  
6 ".....75 " each  
6 ".....\$1.00 each  
Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.  
For page see List of Advertisers.

Asparagus Plum. nans., strong seedlings,  
per 1000, \$10.00. Asparagus Sprengerii,  
strong seedlings, per 1000, \$6.00. O. V.  
Zangen, Hoboken, N. J.

## ASTER AND GLADIOLUS BLOOMS

Alhimo Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.  
For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.  
For page see List of Advertisers.  
Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1/4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1183  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq.,  
Boston.

Freelias and Lily Bulbs.

For page see List of Advertisers.

K. Velthuis, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

Weeber & Don, 114 Chambers St.,  
New York.

Bulbs for Forcing.

For page see List of Advertisers.

Lilium Canadense (both red and yellow),  
and Philadelphicum and other native bulbs.  
Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.

Field Grown

Carnations Imperial and Pink Imperial.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.

Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

J. H. Playdon, Andover, Mass.

Field Grown Carnations.

For page see List of Advertisers.

Ready Now! 15,000 Fine Field Grown  
Carnations, Lawson, Fair Maid, Enchan-  
tress; \$5.00 per 100; \$40.00 per 1000. Cash  
with Order. Leonard Cousins, Jr., Concord  
Junction, Mass.

Fine field grown Carnations, Enchan-  
tress, Queen, Winsor, Bountiful, Rose Pink  
Enchantress, \$5.00 per 100, \$45.00 per 1000.  
Sprenger, 1 inch, fine, same price. Sam-  
uel Kinder & Bro., Bristol, R. I.

60,000 Carnation Plants, field grown, ex-  
tra fine, Enchantress, Mrs. Thomas W.  
Lawson, White Lawson, Boston Market,  
Lady Bountiful, Cardinal, \$6.00 per 100;  
\$50.00 per 1000. Cash with order. M. J.  
Schaff, Danville, N. Y.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

Francis Brill, Hempstead, N. Y.

## CHRYSANTHEMUMS

R. Vincent, Jr., & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Herrington's Look on the Chrysanthem-  
um, mailed to your address for 50c., by  
Horticulture Publishing Co., 11 Hamilton  
Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia  
For page see List of Advertisers.

Folding cut flower boxes, the best made  
Write for list. Holton & Hunkel Co., Mil-  
waukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-in. pots, 4c. J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann.

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Saintpaulia, Poinsettias,  
Primulas, Etc.

For page see List of Advertisers.

## ELECTRIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.

For page see List of Advertisers.

## EVERGREENS

American Nursery Co., 150 Broadway,  
New York, N. Y.

For page see List of Advertisers.

## FERNS

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oeschlin, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.

Nephrolepis Superbissima.

For page see List of Advertisers.

## FERTILIZERS

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

# For List of Advertisers See Page 337

**FERTILIZERS—Continued**

Thos. J. Grey & Co.,  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.

German Kali Works, 93 Nassau St.,  
New York.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' GREENS**

George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

Edward MacMullin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4226-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway,  
New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—Continued**

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Red pots, seed pans, etc.  
The Peters & Reed Pottery Co.,  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad  
way, Detroit, Mich.  
For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

Gladiolus Blooms by dozen, hundred or  
thousand. Trial order, 100 blooms, mixed,  
\$1.00. J. L. Moore, Northboro, Mass.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.  
For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.  
For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.  
For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.

**GREENHOUSE BUILDING MATERIAL—Continued**

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie R. R.,  
Newark, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

Anchor grade wears well.  
Mineralized Rubber Co., New York, N. Y.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

**In writing to Advertisers kindly mention Horticulture**

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotide kills all greenhouse pests.  
P. B. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.  
Stumpp & Walter Co., 50 Barclay St.,  
New York.  
Kilndead Tobacco Dust.  
For page see List of Advertisers.

**IRIS**

Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.  
T. C. Thurlow & Co., W. Newbury, Mass.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.  
A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.  
The Storrs Harrison Co., Painesville, O.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00

Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway,  
New York.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn  
made "Direct from Spores." Write for  
pamphlet. Anglo-American Spawn Co.,  
Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Cul-  
ture." John F. Flood Co., East St., Ded-  
ham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong  
field grown clumps, \$2.00 per 100, or \$17.50  
per 1000. Geo. A. Dhonau, East Walnut  
Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.  
Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental  
Trees.  
For page see List of Advertisers.  
Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.  
P. Ouwerkerk, 216 Jane St., Weehawken  
Heights, N. J.  
Holland Nursery Stock for Forcing.  
For page see List of Advertisers.  
Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca  
Variegata.  
For page see List of Advertisers.

**NURSERY STOCK — Continued**

D. J. Twomey, Dept. H, Geneva, N. Y.  
Trees and Plants.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway, New  
York, N. Y.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.  
Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.  
Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.  
Ordenez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.  
Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.  
For page see List of Advertisers.  
Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries  
Roslindale, Mass.  
For page see List of Advertisers.  
Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse  
lead; Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat,  
Leaf-Mould, Live Sphagnum moss, Baled  
Sphagnum moss, Green Clump moss, etc  
Jobbers' list on application. C. W. Brown  
ell & Co., Walden, N. Y.

Wm. Mathews, Utica, N. Y.  
Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.  
For page see List of Advertisers.

**PEONIES**

Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.  
T. C. Thurlow & Co., W. Newbury, Mass.  
New Peony Catalogue.  
Wholesale Peony list for fall 1908 is now  
ready. J. F. Rosenfield, West Point, Neb.  
One of the finest collections in America.  
Send 25 cts. in stamps for new edition of  
Peony Manual. C. S. Harrison's Select  
Nursery, York, Neb.

PEONIES, Humel, a beautiful pink, \$6  
per 100. Ivory, fine white, \$8 per 100.  
Write for our catalogue of novelties. Wag-  
ner Park Conservatories, Sidney, Ohio.

Peonies. Newest of the new, and the  
standard old varieties. Send for catalog.  
George Hollis, 128 Hollis St., South Wey-  
mouth, Mass.

Peonies, Iris and Phlox. A new cata-  
logue with cultural directions. Cherry  
Hill Nurseries, West Newbury, Mass.

Peonies, largest collection anywhere,  
1200 sorts, big stock of Couronne d'Or,  
Felix Crousse, O. Demay, etc. C. Betscher,  
Canal Dover, Ohio.

**PHLOXES.**

Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.  
Send 25 cts. in stamps for Phlox Manual.  
Fine mixed phloxes \$1.50 per 100. C. S.  
Harrison's Select Nursery, York, Neb.

Phlox, 20 of the best varieties. John F.  
Flood Co., East St., Dedham, Mass.

T. C. Thurlow & Co., W. Newbury, Mass.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and  
26th St., Chicago, Ill.  
For page see List of Advertisers.  
Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and  
Wrought Pipe, Valves, Elbows, Pipe Hooks,  
Automatic Air Headers, etc. Lord &  
Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp.,  
\$1.25 by mail. I. N. Kramer & Son, Cedar  
Rapids, Ia.

**RAFFIA**

Raffia (colored), 20 beautiful shades.  
Samples free. R. H. Comey Co., Camden,  
N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.  
Edward MacMulklin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326 Olive St., St. Louis,  
Mo.  
For page see List of Advertisers.  
H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2139-2141 Broadway,  
New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. and Greene  
Ave., Brooklyn, N. Y.  
Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.  
P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**For List of Advertisers See Page 337**

**ROSES**

**Bay State Nurseries, N. Abington, Mass.**  
For page see List of Advertisers.

**Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.**  
For page see List of Advertisers.

**Dingee-Conard Co., West Grove, Pa.**  
For page see List of Advertisers.

**The E. G. Hill Co., Richmond, Ind.**  
Bride and 'Maid.  
For page see List of Advertisers.

**Poehlmann Bros. Co., Morton Grove, Ill.**  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

**P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.**  
For page see List of Advertisers.

**Wood Bros., Fishkill, N. Y.**  
Grafted Roses, Own Roots.  
For page see List of Advertisers.

**Worcester Conservatories, Worcester, Mass.**  
Grafted Bride and Carnot Roses.

**Low-budded roses, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.**

**Roses, strong, own root, 4 inch Chateau, Killarney, Richmond and Maid, \$8 per 100. Fine stock. Siebrecht & Son, New Rochelle, N. Y.**

**SCALECIDE**

**B. G. Pratt Co., 50 Church St., New York.**  
For page see List of Advertisers.

**SEEDS**

**T. J. Grey Co., 32 So. Market St., Boston, Mass.**  
For page see List of Advertisers.

**Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.**  
For page see List of Advertisers.

**W. Atlee Burpee & Co., Philadelphia.**  
For page see List of Advertisers.

**J. M. Thorburn & Co., 33 Barclay St., N. Y.**  
For page see List of Advertisers.

**Arthur T. Boddington, 342 W. 14th St., New York.**  
For page see List of Advertisers.

**H. F. Michell Co., 1017 Market St., Phila.**  
Sweet Pea Seed.  
For page see List of Advertisers.

**Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.**  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

**Rickards Bros., 37 E. 19th St., New York.**  
For page see List of Advertisers.

**R. & J. Farquhar & Co., 6-7 So. Market St., Boston.**  
For page see List of Advertisers.

**Braslan Seed Growers Co., San Jose Cal.**  
For page see List of Advertisers.

**H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.**  
For page see List of Advertisers.

**O. V. Zangen, Hoboken, N. J.**  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

**C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.**  
For page see List of Advertisers.

**Schelegel & Fottler Co., Boston.**  
Mignonette, Pansy Seeds.

**Skidelsky & Irwin Co., 144 N. 7th St., Philadelphia.**  
For page see List of Advertisers.

**SMILAX**

**R. Vincent Jr. & Sons Co., White Marsh, Md.**  
For page see List of Advertisers.

**Smilax, strong, from 2-12 inch; \$2.50 per 100. Cash. L. E. Marquisee, Syracuse, N. Y.**

**SPHAGNUM MOSS**

**Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.**

**SPRAYERS**

**"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.**

**STEAM TRAP**

**E. Hippard, Youngstown, O.**

**STRAWBERRY PLANTS**

**R. & J. Farquhar & Co., 6 and 7 So. Market St., Boston.**  
Pot-Grown.  
For page see List of Advertisers.

**C. S. Pratt, Reading, Mass.**  
For page see List of Advertisers.

**SULFUR BURNER**

**Benj. Dorrance, Rose Growers, Dorranceton, Pa.**

**SWEET PEAS**

**A. C. Zvolanek, Round Brook, N. J.**  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

**E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.**  
For page see List of Advertisers.

**VENTILATING APPARATUS**

**Pierson U-Bar Co., 1 Madison Sq., N. Y.**  
For page see List of Advertisers.

**Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.**  
For page see List of Advertisers.

**John A. Payne, 260-274 Culver Ave., Jersey City, N. J.**  
For page see List of Advertisers.

**The Advance Co., Richmond, Ind.**  
For page see List of Advertisers.

**Quaker City Machine Co., Richmond, Ind.**  
20th Century Ventilating Arm.  
For page see List of Advertisers.

**VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1182 Broadway, N. Y.**

**VIOLET PLANTS**

**Field-grown Violet Plants, large and fine clean stock, Campbell, Princess of Wales and Gov. Herrick, \$4.50 per 100. Cash with order. R. Engelman, Pittsfield, Mass.**

**Violets, 3000 Princess of Wales, field clumps, \$4.00 per 100. A. B. Campbell, Cochranville, Pa.**

**Violet Plants, Princess of Wales. John F. Flood Co., East St., Dedham, Mass.**

**WIRED TOOTHPICKS**

**W. J. Cowee, Berlin, N. Y.**  
For page see List of Advertisers.

**WIREWORK**

**Reed & Keller, 122 W. 25th St., N. Y.**  
For page see List of Advertisers.

**Weigel & Ujfalussy, 136-138 W. 28th St., New York.**

**Florists' Wire Designs and Supplies.**  
For page see List of Advertisers.

**Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.**

**William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.**

**Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.**

**WHOLESALE FLORISTS****Boston**

**N. F. McCarthy & Co., 84 Hawley St., Boston.**  
For page see List of Advertisers.

**H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.**  
For page see List of Advertisers.

**Welch Bros., 226 Devonshire St., Boston.**  
For page see List of Advertisers.

**WHOLESALE FLORISTS—****Continued****Chicago**

**Chas. W. McKellar, 51 Wabash Ave., Chicago.**

For page see List of Advertisers.

**Peter Reinberg, 51 Wabash Ave., Chicago.**  
For page see List of Advertisers.

**E. F. Winterson Co., 45-49 Wabash Ave., Chicago.**

For page see List of Advertisers.

**J. A. Budlong, 37-39 Randolph St., Chicago.**  
For page see List of Advertisers.

**Detroit**

**Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.**

For page see List of Advertisers.

**Minneapolis**

**Bice Bros., 115 N. 6th St., Minneapolis, Minn.**

For page see List of Advertisers.

**New York**

**J. S. Fenrich, 110 W. 28th St., New York.**  
For page see List of Advertisers.

**Ford Bros., 48 W. 25th St., New York.**  
For page see List of Advertisers.

**H. E. Froment, 57 W. 28th St., New York.**  
For page see List of Advertisers.

**Alex. J. Guttman, 34 W. 28th St., New York.**

For page see List of Advertisers.

**E. C. Horan, 55 W. 28th St., New York.**  
For page see List of Advertisers.

**A. H. Langjahr, 55 W. 28th St., New York.**  
For page see List of Advertisers.

**James McManus, 42 W. 28th St., New York.**  
For page see List of Advertisers.

**John J. Raynor, 49 W. 28th St., New York.**  
For page see List of Advertisers.

**W. F. Sheridan, 39 W. 28th St., New York.**  
For page see List of Advertisers.

**Traendly & Schenck, 44 W. 28th St., New York.**

For page see List of Advertisers.

**Moore, Hentz & Nash 55 and 57 W. 26th St., New York.**

For page see List of Advertisers.

**Frank S. Hicks, 39 W. 28th St., New York.**

**Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.**

For page see List of Advertisers.

**Philip F. Kessler, 55 and 57 W. 26th St., New York.**

For page see List of Advertisers.

**Millang Bros., 41 W. 28th St., New York.**  
For page see List of Advertisers.

**Philadelphia**

**W. E. McKissick, 1619-1621 Ransstead St., Philadelphia, Pa.**

For page see List of Advertisers.

**Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.**

For page see List of Advertisers.

**The S. S. Pennock-Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.**

For page see List of Advertisers.

**Pittsburg**

**J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.**

For page see List of Advertisers.

**St. Louis**

**H. G. Bernal, 1402 Pine St., St. Louis, Mo.**  
For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

**Samuel A. Woodrow, 53 W. 30th St., New York.**  
For page see List of Advertisers.

**WILD SMILAX**

**E. A. Beaven, Evergreen, Ala.**  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



## New Offers in This Issue.

### ARAUCARIAS, ARECAS, KENTIAS, AZALEAS.

J. H. Henry, 1157 Myrtle Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

### ASPARAGUS: CARNATIONS.

Worcester Conservatories, Worcester, Mass.,  
J. C. Midgley, Prop.  
For page see List of Advertisers.

### ASTER LADY ROOSEVELT.

Scientific Intense Culture Ranch, Elmhurst, Ill., C. A. Kibbe Mgr.  
For page see List of Advertisers.

### BARGAINS IN DECORATIVE PLANTS.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

### CARNATIONS FIELD GROWN.

H. A. Cook & Son, Shrewsbury, Mass.  
For page see List of Advertisers.

### CARNATIONS, QUEEN, FAIR MAID.

Wilfrid Wheeler, Concord, Mass.  
For page see List of Advertisers.

### CYCLAMEN SEED.

R. & J. Farquhar & Co.,  
6 and 7 So. Market St., Boston  
For page see List of Advertisers.

### CYCLAMEN SEED.

H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

### EVERGREENS, HERBACEOUS PERENNIALS.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

### FIELD GROWN CARNATIONS.

Chas. H. Green, Spencer, Mass.  
For page see List of Advertisers.

### FIELD GROWN VIOLETS.

Chas. Black, Hightstown, N. J.  
For page see List of Advertisers.

### FORMOSA LILIUM LONGIFLORUM: JAPAN GROWN CALLAS.

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

### ORCHIDS: FRESH IMPORTATION.

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

### ORCHIDS: NEW IMPORTATION.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

### POINSETTIAS.

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

### PALMS, ARAUCARIAS, HARDY PERENNIALS, SHRUBS.

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

### RAMS HEAD SHEEP MANURE.

Wm. Elliott & Sons, 42 Vesey St., New York.  
For page see List of Advertisers.

## CATALOGUES RECEIVED.

Wm. Elliott & Sons, New York.—Folder of Pot-Grown Strawberry Plants.

Scientific Intense Culture Ranch, Elmhurst, Ill.—Folder of Aster Lady Roosevelt.

Daniel A. Clark, Red Oak Nurseries, Fiskeville, R. I.—Hardy Herbaceous Perennials, Fall, 1908.

New England Nurseries, Inc., Bedford, Mass.—Bulbs, Plants, Evergreens, Roses and Potted Strawberries for Autumn Planting.

Valdesian Nurseries, Bostic, N. C.—Wholesale Trade Price List, Fall 1908 and Spring 1909, for nurserymen, florists and dealers only.

Wm. Elliott & Sons, New York.—Autumn List of Flowering Bulbs. Cover in colors. A list of pot-grown strawberry plants is included.

Dingee & Conard Co.—West Grove, Pa.—Guide to Rose Culture and Rose Growing, Fall, 1908. Profusely illustrated. Portrait of Chas. Dingee on back cover.

R. & J. Farquhar & Co., Boston, Mass.—Autumn Catalogue, 1908. Messrs. Farquhar have certainly put before the public a production of which they may feel proud. Printer and engraver have co-operated with them to make this one of the most artistic catalogues ever issued. Single Early Tulip, Pink Beauty, is the subject of the front cover illustration. and the back cover in a combination arrangement of fine design. The book is profusely illustrated throughout, and nothing finer in floral half-tone work can be imagined than are here presented, notably the daffodil portraits.

## PUBLICATIONS RECEIVED.

Low-grade vs. high-grade fertilizers; Improvement of sandy soils; Seed selection; Evergreens, uses and culture; Preparation of miscible oils, are some of the subjects covered by competent writers in Farmers' Bulletin 329 of the U. S. Dept. of Agriculture.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

## SITUATIONS WANTED

SITUATION WANTED—In first-class retail store by experienced decorator and salesman. Can furnish satisfactory references. Address J. Mortimer, 60 Clarendon St., Boston.

WANTED SITUATION—As forester or park foreman. Good references. Address B. care HORTICULTURE, 11 Hamilton Place, Boston.

## FOR SALE

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

FOR SALE—Special—Glass for sale below cost. 16 x 24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parselsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

## FOR LEASE

FOR LEASE—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

## MISCELLANEOUS WANTS

## WANTED

250 each Winsor and Beacon Carnation Plants, stocky and field-grown. Address with price, J. Newman & Sons Corp'n, 24 Tremont St., Boston.

BETWEEN YOU AND ME, What do you think of the Buyers' Directory and Ready Reference Guide of HORTICULTURE? I always look it over before I do any buying

## READY NOW

PTERIS TREMULA and PTERIS ARGYREA  
Strong 2½ inch pot plants, \$2.50 per 100, \$20.00 per 1,000.

### ADIANTUM CROWEANUM

Beautiful 3 inch pot plants, fine for cutting, pot sales or dividing, \$5 per doz., \$35 per 100.

### ARAUCARIAS

Never had a better lot. 4 in. pot plants, 6 in. high, 18 ; 3 in. 1. pot plants, 12 inches high, 18 ; 6 in. 1. pot plants, 14 inches high, 3 and 4 tiers, 25 ; 7 in. pot plants, 16 inches high, 4 tiers, \$1

### PRIMULA SINENSIS

Fine Strain. 2½ inch pots, \$1 per 100.

### PANDANUS UTILIS

2½ in. h. pots, \$6 per 100; 4 inch pots, \$12.50 per 100.

### SAINTPAULIA IONANTHA

(African Violet) etc. Grand pot plant. Strong 3 inch stock, \$10 per 100.

### FICUS ELASTICA

4 inch pot, 12 to 12 inches high, \$25 per 100; 5 inch pots, 20 inches high, \$60 per 100.

### KENTIA BELMOREANA

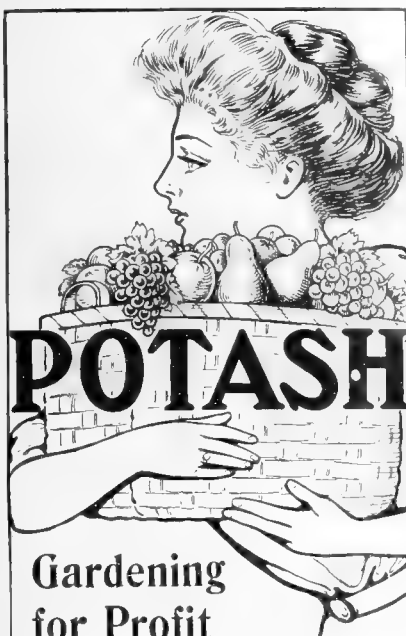
2½ in. h. pot plants for centers of ferneries, \$7 per 100.

THE STORRS & HARRISON CO.,

PAINESVILLE, OHIO

## List of Advertisers

	Page		Page
Advance, The Co.	339	McCarthy N. F. & Co.	331
Altimo Culture Co.	329	McConnell Alex.	326
American Nursery	312	McKellar Charles W.	328
Aschmann G.	310	McKissick W. E.	328
Atlanta Floral Co.	326	McManus Jas.	330
		Meyer J. C. & Co.	322
Bambrick Thos. H.	336	Michell H. F. Co.	326-337
Barrows H. H. & Son	310	Michigan Cut Flower	
Bassett & Washburn	311	Exchange	331
Bayersdorfer H. & Co.	327	Midgley L. C.	331
Bay State Nurseries	312	Millang Bros.	330
Beaven E. A.	328	Moninger J. C.	338
Bernina H. G.	331	Moore, Hentz & Nash	330
Black Chas.	331	Morse C. C. & Co.	325
Boddington A. T.	323	Murdoch J. B. & Co.	328
Boston Florist Letter		Murray Samuel	326
Co.	331		
Boston Plate and Win-		New England Nur-	
dow Glass Co.	338	series	321
Bosch, Felix.	323	Niessen Leo. Co.	328
Braslan Seed Growers			
Co.	325	Oechslin Frank	310
Breck Joseph & Sons	325	Ordenez Bros.	322
Bretmeyer's J. Sons	326	Ouwerek P.	312
Bridgeman's Seed			
Warehouse	325	Paethorpe P. R. Co.	337
Budlong J. A.	348	Park Floral Co.	326
Burpee W. A. & Co.	325	Payne John A.	328
		Pennock-Meehan Co.	328
Carrillo & Baldwin	322	Perkins St. Nurseries	310
Cassidy I.	319	Pierce F. O. Co.	318
Castle Co.	338	Pierson, A. N.	310
Chicago Carnation		Pierson F. R. Co.	310
Co.	311	Person U Bar Co.	340
Clarke's David, Sons	326	Playdon J. H.	311
Cleary's Horticultural		Poenhman Bros. Co.	310
Co.	312	Pratt B. G.	337
Cook H. A. & Son	311	Pratt C. S.	324
Cotsonas Geo. & Co.	331	Pulverized Manure Co.	325
Cowee W. J.	331	Quaker City Machine	
Craig, Robt. Co.	310	Co.	338
		Kaynor John I.	330
Dingee & Conard Co.	310	Reed & Keller	330
Doane Geo. B. & Son	339	Reinberg Peter	328
Dorner F. Sons & Co.	311	Ribsam Carlman	312
Dreer H. A.	338	Rice Bros.	328
Dunlop John H.	326	Rickards Bros.	325
Dysart R. J.	328	Robinson H. M. & Co.	331
		Rock Wm. L. Flo. Co.	322
Edwards Folding Box		Rohrs Julius Co.	322
Co.	328	Roper Albert	311
Elliott Wm & Sons	325	Roland, Thomas	321
Elm City Nurs'y Co.	312	Rolker August & Sons	318
Ester J. G.	328	Rose Hill Nurseries	322
Ernest W. H.	338		
Eyres	326	Sander & Son	322
		Schulz Jacob	327
Farquhar R. & J. & Co.		Scien ific Intense Cul-	
	321-324	ture Ranch	329
Fenrich J. S.	330	Scott, John	310
Fiske, H. E. Seed Co.		Sharp, Partridge & Co.	338
	323-327	Sheridan W. F.	330
Foley Mfg. Co.	339	Siggers & Siggers	339
Ford Bros.	330	Situations & Wants	336
Froment H. E.	320	Skidelsky & Irwin Co.	325
		Smyth Wm. J.	326
Galvin Thos. F.	326	Standard Plate Glass	
German Kali Works	337	Co.	338
Green Chas. H.	311	Stearns A. T. Lumber	
Grey T. J. Co.	325	Co.	339
Gude Bros. Co.	326	Storrs & Harrison Co.	336
Guttman Alex. J.	330	Stump & Walter Co.	337
		Thorburn J. M. & Co.	325
Hall Asso.	338	Totty Chas. H.	311
Haines, J. E.	311	Traendly & Schenck	330
Hartmann Hjalmar &		Twomey D. J.	312
Co.	325	Valentine, J. A.	326
Hauswirth M. C. & J. E.	326	Velthuis K.	323
Heacock Joseph	312	Vincent R. Jr. & Sons	311
Henry J. H.	322		
Herbert David & Son	312	Waterer John & Sons	312
Hews A. H. & Co.	338	Weathered Co.	340
Hilfinger Bros.	338	Weber F. C.	326
Hill, The E. G. Co.	310-321	Weeber & Don	323
Horan E. C.	330	Welch Bros.	311-328
Houghton & Clark	326	Weigel & Ujfalussy	330
Hunt E. H.	337	Wheeler Wilfrid	311
		Wilson	326
Jacobs S. & Sons	339	Winterson, E. F. Co.	328
		Witthold Geo. Co.	311
Kessler, P. F.	330	Wood Bros.	310
Kibbe Chas. A.	329	Woodrow, Sam'l A.	331
King Cons. Co.	338	Worcester Conserva-	
Kroeschell Bros. Co.	339	tories	311
Kuebler Wm. H.	331	Yokohama Nursery Co.	
			312-323
Lager & Hurrell	322	Young & Nugent	320
Langjahr, Alfred H.	330		
Leuthy A. & Co.	310	Zangen O. V.	325
Lord & Burnham Co.	340	Zinn Julius A.	326
Lutton W. H.	339	Zvolanek A. C.	325
Manda Jos. A.	322		
MacMulklin E. A.	320		
Mathews Wm.	322		



## Gardening for Profit

is an impossibility unless the soil contains, in addition to its other plant-growing elements, a sufficient supply of Potash.

Abundant leafage, wealth of bloom, hearty growth of stock, and superiority of flavor and firmness of fruit are assured by the application of commercial fertilizer in which there is from 10 to 12 per cent. of Potash.

Send for our valuable books on fertilizing, prepared by experts, and invaluable to gardener and fruit grower. Sent free on application.

**GERMAN KALI WORKS**  
93 Nassau Street, New York  
Chicago—Monadnock Building  
Atlanta, Ga.—1224 Candler Building  
*Address office nearest you*

**THE GROWERS' DELIGHT.**  
Discontinue my ad. Plants all sold out.  
**GEO. E. BUXTON.**  
Nashua, N. H., Aug. 29, 1908.

**HORTICULTURE:**  
Please discontinue my advertisement in the Buyers' Directory, and oblige. The advertisement did good work for me.  
**R. D. KIMBALL.**  
Waban, Mass., Sept. 2, 1908.

**HORTICULTURE Publishing Co.,**  
Gentlemen:—Stop my ad. in **HORTICULTURE**, as I am sold out. Substitute the enclosed copy.

**L. C. MIDGLEY,**  
Worcester Conservatories.  
Worcester, Mass., Sept. 1, 1908.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

**DON'T EXPERIMENT**

**USE**

# To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

**H. E. FISKE SEED CO.**  
13 Faneuil Hall Sq., Boston, Mass.  
**STUMPP & WALTER CO.,**  
50 Barclay St., New York.  
**HENRY F. MICHELL & CO.,**  
1018 Market St., Philadelphia.

**E. H. HUNT, Gen'l Agent,**  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

**For PROOF**  
Write to

**P. R. Paethorpe Co.**  
OWENSBORO, KY.

**DON'T NEGLECT FALL SPRAYING!**  
Now is the time to prepare to use

# "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

**GREATEST EFFECTIVENESS**  
**LEAST LABOR AND EXPENSE**

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

**B. G. PRATT CO., Mfg. Chemists,**  
50 Church St., NEW YORK

# KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Kilmdead Tobacco Dust is the pure tobacco, free from sand and dirt, strong in nicotine and all the best of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00, 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

**Is Your Name In The Above List? If Not, Why Not?**

### GREENHOUSES BUILDING OR CONTEMPLATED.

Goshen, Conn.—Runrill Farm, one house.

Norfolk, Va.—E. J. Newton, one house.

Lexington, Ky.—Anderson & White, additions.

Toronto, Can.—Robert Abbs, range of houses.

Beverly, Mass.—F. A. Woodbury, one house.

Leominster, Mass.—G. M. Kendall, improvements.

Pontiac, Mich.—Pontiac Floral Co., improvements.

Lockport, N. Y.—D. T. McCarthy & Son, two houses.

Providence, R. I.—F. A. Willard, house 10 x 47; E. J. Johnston, two houses, 20 x 25, 30 x 125.

Geo. Reinberg has completed his two ranges of greenhouses of six each and they are ready for the painter. Mr. Reinberg is already planning to build another row of six, the coming year. All the houses in his extensive plant, consisting of 800,000 sq. ft. of glass, are of the same size—26x265 ft. Mr. Reinberg started seventeen years ago with two small houses.

### LIST OF PATENTS.

- 896,178 Broadcast Seeder. Frederick A. Tuttle, Naasay Township, Kendall County, Ill.
- 896,246 Planter. Henry Rippe, Blue Island, Ill., assignor of one half to Joseph Jezisik, Blue Island, Ill.
- 896,494 Weeder. John C. Wenner, Summit, Ill.
- 896,498 Beehive. Richard Williamson, Buffalo, Kans.
- 896,567 Improved Greenhouse Construction. Paul Minder, Newark, N. J.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per pot	Price per crate	Price per pot
2500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20		
1500 3 1/4 " " " 5.25	60 8 " " " 3.00		
1500 3 1/2 " " " 6.00			
1000 3 " " " 5.00			
800 3 1/2 " " " 5.80			
500 4 " " " 4.50			
320 5 " " " 4.51			
144 6 " " " 3.16			

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

## JOHN A. PAYNE

Greenhouse Designer and Builder

260-274 Culver Ave., Jersey City



THE  
PAYNE

Galvanized Iron non-freezing Z Bar Eaves Plate is acknowledged to be the best and the most durable. No inside drip, no

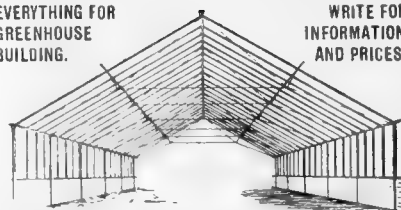
sockets to hold moisture around wood bars.

Iron and wood frame greenhouses of every type—material only or erected.

LET US ESTIMATE.

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



King Greenhouses. King Gutters and Eaves. Trussed Roofs. Ventilating Machinery. Trussed Iron Frame Houses. Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## Are You Building

NEW GREENHOUSES

Or Making Improvements in

## Your Heating Outfit?

Don't overlook the advantages of forced circulation. Send us a Postal giving your address and we will tell you how to increase efficiency and economy.

**THE CASTLE COMPANY**

Heating Engineers

170 Summer St. . . Boston

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS



BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

## Standard Flower . . POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

## GREENHOUSE CONSTRUCTION LUMBER

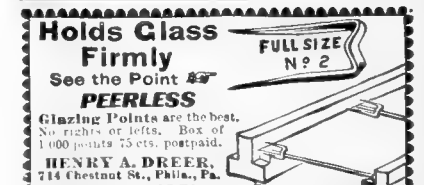
John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.

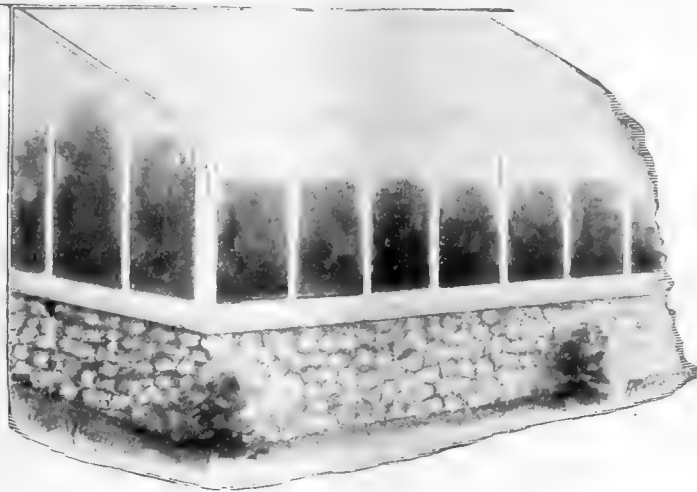
Evans 20th Century Arm

Will not twist your shafting pipe. Give it a trial and you will use no other. Three times the power of elbow arms.

Write for Catalogue  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



The FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**



PATENT APPLIED FOR

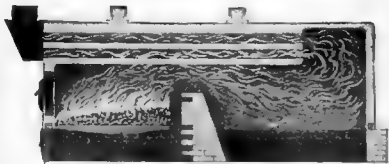
### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

William H. Lutton, Horticultural Architect and Builder

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Easy operating, strong Ventilating Apparatus at right prices has made it possible to have our line in 30 states. Our Pipe Carriers with steel hooks range from 6 to 11 cents, all sizes. Our Pipe Couplings for shafting pipe at 10 cents leads all others. Send for net prices and estimates.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts. All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.  
Newark, N. J.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

**S. JACOBS & SONS**  
Manufacturers of GULF CYPRESS

## GREENHOUSE MATERIAL

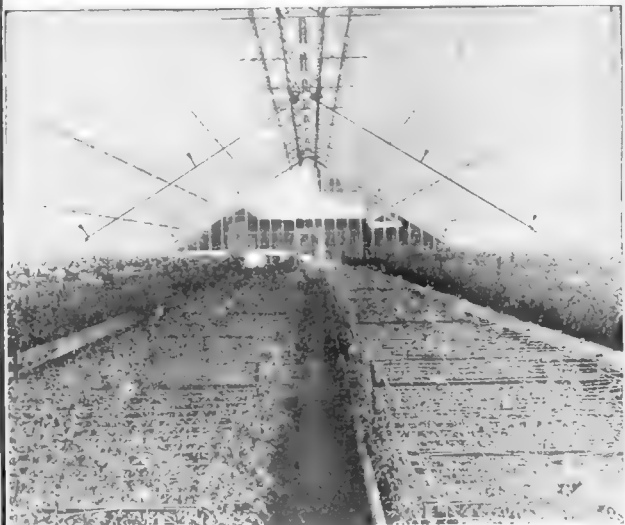
HOT-BED-SASH & FRAMES

Jobbers in **Boilers-Pipe-Fittings** and

**GLASS** on which we can quote attractive prices. Disc on large quantities. We furnish everything for Greenhouse Building  
**1365-1379 Flushing Avenue**  
**BROOKLYN, - NEW YORK**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

## SOMETIMES YOU FORGET that we make every part of a greenhouse but the glass—and sell any part.

You remember us on the bigger things, but often it never enters your head to think of sending to us for a tub of putty or a few fittings.

But you ought to — and here's why:

Our sole business is manufacturing every part of a greenhouse. We give it, and it only, our undivided attention.

Everything we make is made with an exact knowledge of just what conditions it must meet, and that is why an ever increasing number from all over the country are continually sending us their orders for just the smaller things.

You know how well we do the big things, and if you only stop to think, it is just because of well done little things that it is possible for us to do so thoroughly and enduringly, the big things. So whether white lead, glazing nails, bench fittings, it matters not what, first write to

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

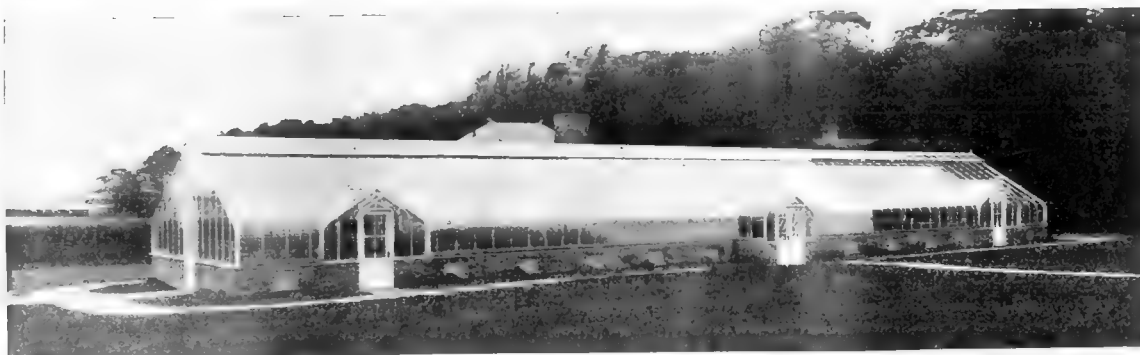
1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## WHY THE U-BAR WINS

If you would just take the time to go and see a U-Bar house, and talk with a U-Bar gardener, then you would appreciate how downright truthful we are in saying it is the lightest, most productive house built. The main structural feature of the U-Bar house is the combining of the steel rafter and cypress roof bar in one, making the rigid, enduring U-Bar. This combined roof bar and rafter is no larger than the single roof bars used in other houses. It does away entirely with the heavy iron supporting members, and makes possible the only successful curved eave. The glass is spaced 24 inches instead of 16. The cypress core bar is soaked in a chemical preservative, before putting it in the galvanized steel U-Bar casing. All steel and iron parts are painted with a special aluminum finish which remains bright for years without attention. To sum it up then—the U-Bar is indisputably the highest type of greenhouse construction.

*The ideal construction for private estates, parks, public institutions and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

Send for Catalog.



# HORTICULTURE

Vol. VIII. SEPTEMBER 12, 1908 No. 11



LILIUM SPECIOSUM RUBRUM VAR. MAGNIFICUM  
Field Culture in Japan.

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it will stand more knocking around than any other fern of this type.

It is a sterling novelty. Experts who have seen it consider it by far the **best fern ever sent out**. It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants, 2¼ inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### I HAVE JUST RETURNED

from my annual business tour of the European sources of supply and can offer Bargains in Kentias and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengeri. Also a large collection of small ferns for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

### JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 280 Bedford **BROOKLYN, N. Y.**

### NEP. WHITMANI

2¼ in., \$5.00 per 100

### NEP. WHITMANI

3½ in., \$25.00 per 100

### BOSTON FERNS

2¼ in., \$3.00 per 100

**H. H. BARROWS & SON** *Waltham, Mass.*

### DECORATIVE PLANTS

*Araucaria Excelsa*, *Pandanus Utilis*, *Dracaena Indivisa*, *Kentias*, *Latanias*, *Arecas*, Etc.  
Perennials and Shrubs.

Send for our price list. We have a complete stock

### The Geo. Wittbold Co.

1657 Buckingham Place,

Chicago, Ill.

*SMILAX*, 2-inch, \$2.00 per 100. *SPRENGERI*, 2-inch, \$2.50 per 100, \$22.00 per 1000; 3-inch, \$3.50 per 100. *ASPARAGUS PLUMOSUS*, 2-inch, \$3.00 per 100; \$25.00 per 1000; 6-inch, \$15.00 per 100.

**POEHLMANN BROS. CO.,**

**Morton Grove, Ill.**

### WILD

### Hardy Maidenhair Ferns

Can supply in limited quantities, very fine clumps for tall planting, **freshly dug for each order** from the deep woods on the Green Mts. of Vt. Write for prices, stating quantity.

**Fresh Dagger and Fancy Ferns** picked for each order \$1 per 1000. Also *Princess Pine* and *Evergreen* for roping, 7c. per lb.

**H. M. TOTMAN, - RANDOLPH, VT.**

References: Randolph Nat'l Bank; Randolph Board of Trade; Braintree

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

**PRIMULA OBCONICA and P. CHINENSIS**

Best Varieties

Ready Now, 2½ in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.

Formerly Garfield Park Flower Co.

### ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

### A. N. PIERSON, Inc.

**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

# Dreer's Special Offer of Seasonable Plants

## Araucaria Excelsa (Norfolk Island Pine)

Our stock of Araucarias is very complete in all sizes. The plants are of exceptional good value, and will be found a profitable investment.

Height	Each
4-in. pots, 7 to 8 in., 2 tiers.....	\$0.35
5-in. " 10 to 12 " 3 tiers.....	.60
6-in. " 12 to 15 " 4 tiers.....	.75
7-in. " 10 to 18 " 4 tiers.....	1.00
7-in. " 20 to 22 " 4 to 5 tiers.....	1.25

## Araucaria Robusta Compacta

Height	Each
5-in. pots, 8 in., 2 tiers.....	\$1.00
6-in. pots, 10 in., 2 to 3 tiers.....	1.25
6-in. pots, 12 to 14 in., 3 tiers.....	1.50

## Araucaria Excelsa Clauca

Height	Each
5-in. pots, 8 in., 2 tiers.....	\$1.75
6-in. pots, 10 to 12 in., 3 tiers.....	1.00
7-in. pots, 12 to 14 in., 4 tiers.....	2.00

## Begonia Cloire de Lorraine

First-class stock which has been propagated from cuttings and which is certain to please you.

3-inch pots, \$2.50 per dozen.....	\$20.00 per 100
4-inch pots, 4.00 per dozen.....	40.00 per 100
6-inch pots, ready October 1st, \$6.50 per dozen.....	50.00 per 100

## ASPARAGUS PLUMOSUS NANUS and SPRENGERI.

Strong, 2¼ inch, 60 cents per dozen: \$4.00 per 100; \$35.00 per 1000.

<b>DRACAENA FRAGRANS.</b> 3-inch pots, \$1.50 per doz.,	\$10.00 per 100
4-inch pots.....	3.00 per doz.; 20.00 per 100
6-inch pots.....	5.00 per doz.; 40.00 per 100

## DRACAENA MASSANGEANA and LINDENI.

4-inch pots, \$6.00 per doz.

## Dracaena Terminalis

A nice lot of 3-in. pots, \$1.50 per doz.; \$10.00 per 100.

# F E R N S

**ADIANTUM FARLEYENSE.** Nice thrifty plants from 3-in. pots \$3.50 per dozen, \$25.00 per 100. 4-inch pots \$5.00 per dozen; \$40.00 per 100. 6-inch pots \$12.00 per dozen.

**ADIANTUM CUNEATUM.** Strong plants in 2¼-inch pots, \$1.50 per doz.; \$30.00 per 1000.

**CIBOTIUM SCHEIDEL.** 5-inch pots at \$2.50 each.

**MICROLEPIA HIRTA CRISTATA.** 3-inch pots, at \$1.00 per doz.

**NEPHROLEPIS BOSTONIENSIS.** Nice bushy plants in 3-in. pots, at \$1.00 per dozen.

**NEPHROLEPIS WHITMANI.** 3-inch pots, at \$2.00 per dozen.

**SELAGINELLA WATSONI.** 3-inch pots, at \$6.00 per 100.

## Leading and Suitable Varieties for Fern Dishes

<b>Aspidium Tsussimense</b>	<b>Onychium Japonicum</b>
<b>Blechnum Occidentale</b>	<b>Pteris Argyrea</b>
" <b>Braziliensis</b>	" <b>Cretica Albo Lineata</b>
<b>Cyrtomium Falcatum</b>	" <b>Hastata</b>
<b>Lastrea Chrysoloba</b>	" <b>Magnifica</b>
" <b>Aristata Variegata</b>	" <b>Wimsetti Multiceps</b>
<b>Lomaria Ciliata</b>	" <b>Serrulata Cristata</b>
<b>Lygodium Scandens</b>	" <b>Tremula</b>
<b>Nephrolepis Cordata Compacta</b>	" <b>Wimsetti</b>
	" <b>Grandis</b>

2¼ inch pots, \$1.50 per 100, \$30.00 per 1000.



*Pteris Wilsoni*

## A Full Assortment of Ferns in Flats.

These flats contain about 200 plants each, **only one variety** being in a flat, and we cannot supply less than a full flat of any one sort.  
Price, \$2.00 per flat.

**Pteris Wilsoni**, nice plants in 6-inch Azalea Pots, 35 cts. each.

For the most complete list of seasonable stock that can be offered at this season of the year, see our current Wholesale List. If you have not received a copy it will be mailed to you on application.

**HENRY A. DREER, Inc.** 714 Chestnut Street, PHILADELPHIA, PA.

## FIELD GROWN CARNATIONS

Shipped Direct from the Grower

WHITE		
White Enchantress	Per 100	10.00
Queen Louise	.....	\$8.00 \$70.00
	.....	6.00 50.00

PINK		
Splendor	.....	12.00 100.00
Rose Pink Enchantress	.....	7.00 60.00
Enchantress	.....	6.00 50.00

**WELCH BROS.**

226 Devonshire St., Boston, Mass.

## CARNATIONS

Large, Healthy Plants

FIELD GROWN

Lawson, Boston Market, Fair Maid, Helen Goddard

\$5.00 per 100 \$45.00 per 1000

H. A. COOK & SON, Shrewsbury, Mass.

## CARNATIONS

Winona, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

F. DORNER & SONS CO.  
La Fayette, Ind.

## JOHN E. HAINES

Bethlehem, Pa.

Imperial variegated ) Per 100 Per 1000  
Pink Imperial, Pink ) \$6.00 \$50.00

Place your orders early for Jan. delivery.  
Cash with order please.

## Sturdy Field-Grown Carnations

1000 Queen, 1500 Fair Maid, 500 Harlowarden, 150 each Enchantress, Rose Pink Enchantress, Lady Bountiful, 250 Roper's Pink Seedling 307, \$6 per 100. \$50 per 1000.

J. H. PLAYDON, ANDOVER, MASS.

## Asparagus and Carnations

200 Plumosa in 4 in., \$10. 1000 Prosperity, \$4. 1000 Lawson, \$4 and \$5. 500 Fair Maid, \$4 and \$5.

WORCESTER CONSERVATORIES

L. C. MIDGLEY, PROP. Worcester, Mass.

## FIELD GROWN CARNATIONS

Immediate Delivery

For prices and varieties address  
CHARLES H. TOTTY, MADISON, N. J.

In ordering goods please add  
"I saw it in HORTICULTURE."

## Field Grown CARNATIONS

Enchantress, \$6 per 100. Harry Fenn, Nelson Fisher, Fair Maid, Queen, Boston Market, Lawson, \$5 per 100. Cash.

CHAS. H. GREEN, Spencer, Mass.

## GERANIUMS OUR SPECIALTY

is growing Geraniums in 2 in. pots; we have a fine lot ready for immediate shipment in a collection that is second to none in the country. We have good Standard sorts such as Alp. Ricard, S. A. Nutt, La Pilote, Thos. Meehan, Centaure, Mme. Landry, General Grant, Mrs. E. G. Hill, Jacquerie, at \$2.00 per 100. Berthe de Presilly, E. H. Trego, Marquise de Castellane, Peter Henderson, at \$3.00 per 100.

SPECIAL OFFER for this week only, 100 Scented Geraniums in 15 varieties sent prepaid for \$1.00.

SPECIAL PRICE LIST for October and November delivery now ready.

We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, all good plants from 2 inch pots; would make a fine stock for Christmas.

SMILAX, extra strong, \$2 per 100; \$18 per 1000.

Our Dahlia and Geranium Show will be held Sept. 22nd-26th, at which some 300 varieties of Dahlias and 400 varieties of Geraniums will be on exhibition. Write us about trains, etc. Cowenton Station B. & O. R. R., Philadelphia Division, 9 miles east of Baltimore.

R. VINCENT JR. & SONS CO., - - - WHITE MARSH, MD.

## BAY STATE

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

Now Booking Orders for Next January Delivery.

Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000

ALBERT ROPER, Tewkesbury, Mass.

## NEW RED CARNATION O. P. BASSETT

Extra Large Bright Red Free Bloomer

PRICES  
Rooted Cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 500, 35.00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

BASSETT & WASHBURN, HINSDALE, ILL.

## Field-Grown CARNATIONS

White Enchantress, bushy plants, \$7.00 per 100; \$60.00 per 1000  
Andrew Carnegie, scarlet, 12.00 per 100; 100.00 per 1000

CHICAGO CARNATION CO., A. T. PYFER, MGR. JOLIET, ILL.

## SURPLUS CARNATION PLANTS

UPLAND GROWN, NEW SOIL, NO DISEASE

500 The Queen, 200 White Lawson, 200 Red Lawson, 200 Prospector, 100 Fair Maid, 150 Lord, 150 Queen Louise.

\$5.00 per hundred

COHANZIE CARNATION GREENHOUSES, New London, Conn.

## CARNATIONS

7500 Extra Fine Plants from field, consisting of Enchantress, Lady Bountiful, Lawson, Harlowarden, Boston Market, Crimson Glow and Fair Maid. Special Prices to close out quickly.

P. R. QUINLAN, SYRACUSE, N.Y.

## FIELD-GROWN VIOLETS

Strong, healthy plants of California (single), \$2.50 per 100; \$20.00 per 1000. Campbell, No. 1, \$2.50 per 100; \$20.00 per 1000; No. 2, \$1.50 per 100; \$15.00 per 1000. Packed to carry safely, by express.

CHAS. BLACK, Hightstown, N. J.

## GRAFTED ROSES

Special Bargain Sale  
EXTRA FINE STOCK

KILLARNEY, CARNOT, KAISERIN, BRIDE, BRIDESMAID, LA FRANCE

From 3-inch Pots. \$2.00 per doz. \$20.00 per 100. \$100.00 per 1000

Strong OWN ROOT Plants.

KILLARNEY, KAISERIN, RICHMOND, PERLE

From 3-inch Pots. \$7.00 per 100

BRIDE, BRIDESMAID,

From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000. FIELD GROWN CARNATIONS STOCK

Winsor and White Enchantress... \$8.00 \$75.00  
Helen M. Gould..... 6.00 50.00  
Dahem, White Lawson..... 6.00 55.00  
Lady Bountiful and Robert Craig. 6.00

WOOD BROTHERS, Fishkill, N.Y.

## Notes from the Arnold Arboretum

One of the handsomest of the late flowering shrubs is *Clerodendron trichotomum* from Eastern Asia; it is the hardiest species of the large genus *Clerodendron* which is widely distributed in tropical and subtropical regions, but even this species is not hardy enough to stand our winters uninjured; it is usually killed to the ground, but vigorous young shoots spring up again from the base and bear flowers in the autumn of the same year. It is a stout upright shrub with large foliage resembling that of *Catalpa*; the flowers appear in the axils of the upper leaves in loose rather few-flowered clusters; they are star-shaped with long protruding stamens and style and their white color is set off effectively by the large red calyx; they are fragrant, while the foliage when bruised exhales a disagreeable odor.

Another late flowering shrub which promises to become a welcome addition to the number of our very late flowering shrubs is the Chinese *Elsholtzia Stauntoni* introduced into cultivation by Mr. J. G. Jack who sent cuttings to the Arnold Arboretum in 1904 from Nankow in northern China. This shrub which has more the nature of a half-shrubby plant attains a height of three or four feet; its opposite dull pale green leaves are three to six inches long, lanceolate and serrate; the small lilac flowers appear in dense one-sided spikes from four to five inches long at the ends of the branches.

*Lonicera Heckrottii* is flowering a second time very profusely and looks very handsome covered with its orange and pale scarlet flowers; it is one of the most free-flowering of the climbing Honeysuckles, but does not climb very high.

An Asiatic *Viburnum* very beautiful in fruit is *Viburnum Wrightii* with large clusters of scarlet fruits resembling those of *Viburnum Opulus*, but the individual fruits are smaller and the cluster larger, though less heavy and therefore borne well above the handsome foliage which turns to a dark red in autumn.

*Crataegus Arnoldiana* has dropped by this time almost all its fruits, but other species are now loaded with brightly colored fruits: one of the handsomest of them is *Crataegus macracantha* covered with large clusters of very lustrous crimson fruits; which though not yet fully ripe, have already assumed their bright color and will stay on the branches until about the end of October.

The Winterberries, *Ilex verticillata* and *I. laevigata*, are assuming their scarlet color, but are not yet as conspicuous as they will be after the leaves have fallen and the fruits now partly hidden by the foliage will clothe the whole shrub in scarlet. Each of the two species has its good points; the first is more thickly covered with fruits and they stay on the branches usually during the whole winter, but the leaves turn dark in fall or drop without change of color, while in *Ilex laevigata* the leaves turn clear yellow, but the fruits are less abundant and do not last as long. The Japanese *Ilex serrata* is very similar to *I. verticillata*, but the fruits and foliage

are smaller. *Ilex monticola*, a species of the Alleghany Mountains which sometimes becomes a tree, has fruits of a duller color and not so profusely produced as in the two other native species mentioned.

Several of the *Euonymus* are now opening and disclose their scarlet seeds. One of the finest is the European *Euonymus latifolius* which grows sometimes into a small tree and has large four or five-winged capsules hanging on long and slender stalks from the branches; at maturity they assume a purplish color and in opening show their scarlet seeds. The Japanese *Euonymus alatus*, forming a dense shrub with spreading branches, bears numerous small fruits, but its chief ornamental feature lies in the scarlet autumnal color of its foliage. The low and straggling *Euonymus obovatus* is decorated with pink and whitish warty capsules disclosing their scarlet seeds.

*Symplocos crataegoides* is unique among the ornamental fruiting shrubs in the bright blue color of its fruits and for this reason alone merits a place in our shrubberies; it is also handsome in June when it is covered with clusters of small white flowers.

Several of the shrubs of *Prunus humilis* which has been mentioned already in the issue of May 16 when it was in bloom bear abundant fruits. These are bright red, about three-quarters of an inch in diameter and resemble a large cherry; they have a pleasant sub-acid taste but without any particular flavor. The fruit as it is, is perhaps not of great value, but compares favorably with improved varieties of the Sand Cherry and is probably as hardy and drought-resisting as that species which it also resembles in habit.

*Alfred Rehder.*

## Lilium speciosum rubrum var. Magnificum

(See cover illustration.)

Our cover illustration shows a field of the new *Lilium speciosum Magnificum*, a lily that was brought to notice only about four years ago by the Yokohama Nursery Company, having been found on one of the southern islands of Japan. The first shipments of wild collected bulbs were sent to England and Germany and the flowers when exhibited before the Royal Horticultural Society were awarded first-class certificate and at present are commercially preferred to the well-known *Lilium speciosum rubrum* and *Lilium speciosum Melpomene*. It closely resembles the latter but the bright carmine coloring is much more pronounced. The plants grow more vigorous and erect and the entire habit is much stronger than that of the older varieties. The oval-shaped leaves are larger also. The bulb is a fine keeper for cold storage purposes and can be forced well for Christmas. This lily is already a favorite in the New York cut flower market and is well entitled to the attention of the lily lovers. When better known it will be generally preferred over the older varieties.



# HORTICULTURE

VOL. VIII

SEPTEMBER 12, 1908

NO. 11

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION <i>Lilium speciosum rubrum</i> var. <i>Magnificum</i> .	
NOTES FROM THE ARNOLD ARBORETUM— Alfred Rehder.....	345
LILIUM SPECIOSUM RUBRUM VAR. MAGNIFICUM..	345
RAMBLES IN THE ROCKIES C. S. Harrison.....	347
NEWS OF THE CLUBS AND SOCIETIES:	
Pittsburg Florists' and Gardeners' Club—New Jersey Floricultural Society—Society of American Florists—New York Florists' Club—Florists' Club of Washington—Gardeners' and Florists' Club of Boston—New York and New Jersey Association of Plant Growers—Chicago Florists' Club.....	348
Club and Society Notes.....	349
Detroit Florist Club.....	353
TWO NEGLECTED ANNUALS—Illustrated.....	349
FERTILIZERS AND FERTILITY—J. F. Cowell.....	349
SEED TRADE.....	356
DOUBLE FORM OF LILIUM ACRATUM A. H. Fewkes	357
OBITUARY—Joseph D. Galvin, Portrait—Frank E. Manning .....	359
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit, Indianapolis, New York, Philadelphia, Winnipeg.....	361
MISCELLANEOUS:	
Greenhouses Building or Contemplated.....	354
Scott Memorial Fund.....	354
Loss by Fire .....	356
News Notes.....	353-356
Movements of Gardeners.....	356
Publications Received .....	357
New Retail Flower Stores.....	358
Steamer Departures.....	358
Fairs and Neighborhood Flower Shows .....	358
Coming Events .....	359
Personal .....	359
Business Changes .....	361
Incorporated .....	361
Philadelphia Notes.....	363
In Bankruptcy .....	363

W. C. Barry, in his talk before the S. A.  
 A patriotic Flower N. G. a Falls, said that every time  
 obligation a man plants a rose bush or induces  
 somebody to do so he "does something for  
 his country." These and other similar in senti-  
 ment have been iterated and reiterated and much has  
 been written, and said, with the same purpose in  
 view of waking up the producer and dealer in these

goods to the possibilities which lie in his way but thus  
 far there is little evidence that the well-meant advice  
 has been heard or heeded. Engrossed with the details  
 of his work from a commercial or professional stand-  
 point, the horticulturist has found little time to con-  
 sider the patriotic aspects which touch so closely upon  
 his avocation that attention to them seems almost a  
 duty. None of us need go far from our home neigh-  
 borhood to find abundant evidence of how much is  
 needed and how little is being done.

Among the signs of awakening busi-  
 ness activity the travelling salesman  
 shines conspicuously. Since Septem-  
 ber 1st is he abroad in the land stir-  
 ring us up with his optimistic predictions of good trade  
 for the coming season and infecting all with whom he  
 comes in contact with his hopeful confidence and his  
 spirit of dogged hustle which knows no such word as  
 fail. Listen to him and be revived. Take a lesson  
 from him in the art of salesmanship and strive to ac-  
 quire a good supply of that convincing persuasiveness  
 which sells the goods and makes the purchaser feel that  
 he has been honored in the privilege. Yes, these peri-  
 odical visitors are well entitled to recognition as among  
 the most effectual trade promoters. Trained and sea-  
 soned by continual contact with every phase of the busi-  
 ness with which he is identified, obliged to study individ-  
 uality and to size up men and conditions as he finds  
 them under varying circumstances, the travelling man  
 is a good fellow to know and what he has to tell you is  
 well worth listening to. We like him and no visitor to  
 our sanctum is more welcome. Long may he wave.

A worthy cause  
 Contemplating the various philanthropic  
 agencies for the uplifting of humanity  
 and the development of ideals which tend  
 to mold refined character and incidentally  
 promote a wider appreciation of and love for the  
 products of the horticulturist, we think of none more  
 worthy from our point of view than the incentives pro-  
 vided by generously-inclined individuals and by various  
 organizations to encourage the cultivation of flowers in  
 windows, on roofs or in patches of neglected ground in  
 the crowded tenement districts. It is easy to imagine  
 how a little well-directed work on these lines may influ-  
 ence and often completely change the course of a child's  
 reasoning so that when he comes to the parting of the  
 ways he shall choose that road which leads on to good  
 citizenship with all that this implies. There are the  
 best of reasons why the florist trade should be ever ready  
 to accord approval and encouragement to these benevo-  
 lent movements and, from the nature of things, it is in  
 an excellent position to do so most effectively. While  
 guarding against any course that might lead to an un-  
 derestimate of the cost and cash value of the florists'  
 products there are yet frequent opportunities for dis-  
 creet donations of surplus and discarded stock which  
 would otherwise be lost entirely. Disposed of in this  
 manner it is seed wisely sown which will surely return  
 a profitable crop in due time.

## Rambles in the Rockies

NO. 2.

Let those who will prefer old ocean, but give me these grand mountains with their sublime peaks, deep canyons, granite turrets piercing the sky. To us, horticulturists, these marvelous conifers have the greatest attractions for here are found the most beautiful trees in all the earth.

Let us go up a bridle path beside a roaring stream where the crystal waters laughing in boisterous glee are tumbling over the rocks in their haste to reach the plains. Here is the silver cedar, *Juniperis scopulorum*, in form like the Irish juniper but far transcending it in beauty. The foliage sparkles and glistens in its frostings of silver. It is very hardy and is one of the most beautiful trees one can plant on our western prairies. The other day in Nebraska I saw a row of them in front of a cemetery, planted some years ago. The row was a quarter of a mile long and every tree was worth \$5 if placed singly in a lawn. They are hard to propagate. Years ago we used to collect them, plant them in nurseries and let them develop. It takes two years for the seeds to mature and then it is difficult to germinate them. They do not retain their exquisite coloring as well in the moister climate of the East.

The heroic *Pinus ponderosa* is here in its glory. You see them in the valley, or adorning the steep hillsides, or on the very brow of the precipices sticking their toes in the rocks and waving defiance to drouth and storms. After years of careful experimenting we have a system perfected for raising these trees so that they can be grown as readily as deciduous trees, and when once established they will defy everything.

The Technical World of last June gives a process by which the long needles of this tree are made into fiber which is manufactured into cloth, so "Go West, young man," plant a lot of ponderosa pine on the great plains and then let science and art wave their wands over them and turn them into a flock of sheep!

Let us go higher up through the ranch of T. C. Thurlow, the peony prince of New England. He always takes the peony prizes, and if he could take some of his groves of trees, clothed in more than royal beauty, down to old Massachusetts he would take the prize over everything in the State. You never saw such concolors. They are robed in such imperial garments they might fittingly stand sentinel at the very gates of Paradise. Look at that grove; note the grace and symmetry of coloring of each tree. Every needle flashes and shimmers in the sunlight. There is a radiance indescribable. There are no seeds on them this year, but when they bear cones it adds to their beauty. For instance, two trees stand side by side bearing immense cones about the size of early sweet corn. One tree has those of light green, the other is of deep purple. You note no difference in the shape of the tree or the color of the foliage. It is a trick of nature to give us all the variety possible in the same species. Here on the same ranch are groves of the Douglas spruce. There is not a tree on earth that can show such infinite variation. Often the mountaineers would come to me and say, "We have found a tree of an entirely new species, something you have never seen." At great trouble I would climb some steep place and there in a quiet nook would find a Douglas with a dress entirely different from its neighbors. In fact this tree with its numerous sports and

variations has over fifty names. In secluded places you will find those of deep blue type vying with the richest pungen. Some have rigid limbs and others have a graceful pendulous habit. A weeping Douglas of silver foliage is a tree of entrancing beauty. These grow very rapidly and in many places will lead all other trees in the nursery.

I wish Brother Thurlow could visit his ranch and spend a summer on it—he would find himself nearer Paradise than he ever was before, where the intense blue of the sky would pitch tent above him and the silent clouds in voiceless sympathy would gather around him; where trees wearing garments of more than courtly splendor would stand sentinel about him.

But let us go higher up. We find the *Pinus flexilis*—a tree much like your cembra pine. I never have seen it in the East, but I think it would do well there. It is a success on our western prairies often assuming a silvery type which makes it very attractive. Now we come to pungen and Engelmen belt. I need not describe the former. I think the latter is fully as attractive. Up near the timber line are immense forests of these trees. Dr. Fernow of the Forestry Department and myself years ago measured a fallen monarch which was three feet through and 125 feet tall. I see no reason why this tree should not be a favorite of the North.

In climbing a mountain you go from the temperate to the frigid zone in a short time. For instance, the white oak will be of fair size in the foot hills, but it grows smaller and smaller as you ascend until it dwindles to the size of a currant bush. At this elevation we find the subalpina fir. This grows fairly well in Massachusetts. It has a straight stem with bark nearly as white as the birch. The lower side of the needles is of silvery whiteness and the upper side deep green. It has a habit of dropping the lower limbs into the leaf mould and these take root. You often see beautiful clumps of these trees surrounding a dead parent.

At this altitude you find the most unique of all the conifers—the Aristata or Foxtail pine. For some reason this tree has not been grown much in the nurseries. While very young it is inclined to sunburn. With age it becomes stronger and I have known it to thrive in the hot climate of Nebraska. Here also you find the *Pinus contorta*. When the lower limbs die they turn and twist and writhe like so many serpents. This is the tree of the Yellowstone National Park where they are packed and crowded together like so many masts.

I enter this charming grove where these trees become my welcoming hosts and I their grateful guest. Here I am alone with sublimity and God. These mountains draped with green are mute anthems attuned to His praise. Far as the eye can range are forests and hills, deep canyons and towering peaks. I am in the heart of Nature's mighty song; the thrill of it goes through my soul. There is no roll of organ, no swelling chorus; yet some way all these groves, these trees dressed in imperial robes, the rocks, the crags and peaks and massive towering summits, seem to swell the anthem. Instinctively I uncover my head and over me comes an awe and a gladness as if I had come to my own. I am in harmony with this silent praise which swells upward to the unseen. Oh, the sublimity of it; the thrill and inspiration to worship the Creator in Nature's holy of holies.

C. S. Hammond

York, Neb.

# NEWS OF THE CLUBS AND SOCIETIES.

## PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The meeting of the club September 1st was well attended, and the members seemed to have come back refreshed from their various summer outings. Pittsburgh celebrates her one hundred and fiftieth anniversary during the week of September 27 and the florists have been asked to contribute a float for the monster street parade. A special meeting of the club was called on August 8 to consider the matter and a committee of arrangements consisting of S. M. C. Clements, W. Breitenstein, A. W. Smith, Jr., J. W. Ludwig, H. L. Blind and T. P. Langhans was appointed with full power to decide.

A competitive exhibit of gladioli, dahlias and vegetables had been scheduled by the private gardeners, but owing to the unfavorable dry weather gladioli and dahlias were not available. There were two fine displays of vegetables, the one grown by Robt. Lillie, gardener for T. N. Barnsdale, receiving the prize of \$10.

E. D. Smith Co., Adrian, Mich., sent a fine display of asters: Randolph & McClements had a large showing of crotons; H. D. Price, King Humbert and Express cannas in fine form, Meehan's mallow marvels and nasturtiums of a new tint; Phipps Conservatories, J. W. Jones foreman, two vases of Semple's asters that showed no effects of dry weather. The thanks of the club were tendered the exhibitors.

Subject for next meeting, "Dahlias, orchids, herbaceous and annual flowers." H. P. JOSLIN, Secretary.

## NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meetings were resumed on Sept. 4 at the society's rooms in Orange with a fine display of the season's flowers from greenhouse and border. Lager & Hurrell staged a stunning collection of hybrid orchids Thomas Jones, Cattleyas speciosissima, Harissonii and gigas and Oncidium Lanceanum. Thomas A. Edison, gardener Frank Drews, aster Weeber & Don's Best; A. C. Van Gaasbeck, gardener John Darwin, asters and dahlias; C. L. Bauscher, gardener Philip Cox, roses and gladioli; Stewart Harts-horne, gardener; A. T. Caparn, delphinium, Polygonum cuspidatum, and vase of herbaceous plants; Charles Hathaway gardener, Max Schneyder, Euphorbia variegata; S. & A. Colgate, gardener Wm. Read, vase of zinnias; A. T. Gillespie, gardener George Oakley, collection of vegetables.

A stereopticon exhibition of flowering shrubs, the slides for which were loaned by the N. Y. Botanic Garden, in Mrs. Van Brunt's superb coloring, was the attraction of the evening. The border in Central, Prospect or Botanic Garden Park and the individual flowers were exhibited, and the treat was accorded a hearty vote of thanks.

JOSEPH C. DAVIS.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

The notice of withdrawal of the award to the Altimo Culture Company, read at the recent convention of this society, was an error.

The original award of a Certificate of Merit for the Chrysanthemum Aster was correct and will stand.

W. N. RUDD, Sec.

Sept. 4th, 1908.

## National Flower Show.

Chairman W. F. Kasting announces the appointment of A. T. De La Mare and Edward F. Winterson to fill vacancies on the committee of fifty caused by the deaths of Alexander Wallace and William Scott.

The executive committee at its meeting in Cataract House, Niagara Falls, Aug. 20, approved of a call for an additional assessment of 30 per cent. of the sums guaranteed, for which notices will be sent to guarantors at once. An appropriation for the advertising of the show was made upon an estimate submitted by Chairman George Asmus. Rule 1 was amended to require an entry fee of \$1 for each entry in all classes where the first prize is \$5 or more, except in the private gardeners' classes and except for foreign exhibitors. Those excused from an entry fee will be charged a \$2 fine for failure to stage an entry. Rule 3 was amended to make 11 a. m. the last hour for staging plants and 12 m. for cut flowers.

On motion of S. S. Skidelsky it was decided that trade tickets should be issued at a reduced rate and sold under restrictions imposed by the local management committee. Chairman Koenig of the special features committee reported, and was requested to continue his good work in trying to provide drawing attractions for the show, an appropriation being made for his expenses.

On motion of W. N. Rudd it was decided to allow no salary or expense account to judges at the national flower show, and that judges be appointed by the following: For Division A, Chrysanthemum Society of America; Division B, American Rose Society; Division C, American Carnation Society; Division D, New York Florists' Club; Division E, Illinois State Florists Assn.; Division F, Horticultural Society of Chicago; Division G, Chicago Florists' Club; each of these societies to nominate three judges. J. H. BURDETT, Secretary.

## NEW YORK FLORISTS' CLUB.

The opening meeting of the season will take place on Monday evening Sept. 14, at the club rooms on West 23d street, New York City. Benjamin Hammond will talk on some features of the school garden movement, a subject on which Mr. Hammond is well qualified to speak, by reason of his many years' interest in educational topics and his love of horticulture.

## FLORISTS' CLUB OF WASHINGTON.

The members of this club were most delightfully entertained on Tuesday evening, Sept. 1, by their fellow-member, Edward S. Schmid. After the close of routine business the guests were invited to the banquet room, where after all had partaken to the limit, the rest of the evening was given up to varied amusements, such as recitations, songs, piano solos, etc. The recent S. A. F. convention at Niagara Falls, where this club was represented by 20 members, was discussed at much length.

The newly-elected secretary, Geo. Shafer, read a notice of the annual Harvest Home Festival and Dahlia Show to be held at the warehouse of R. Vincent, Jr., & Sons, at Cowenton, Md., from Sept. 22 to 26, inclusive. A fine dahlia and geranium show will be features of the occasion. The sum of \$10.00 was voted to be donated to the fund which is being raised to erect a monument to the late Wm. Scott, of Buffalo, N. Y. The next meeting will be held at the greenhouses of Gude Bros. at Anacostia, where the club will be entertained by Adolphus Gude.

## GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The regular monthly meetings of the club will be resumed on Tuesday evening, Sept. 15, at eight o'clock. In place of the stated lecture there will be quite a number of vacation experiences by a number of prominent members of the club, covering both Europe and America. These cannot fail to be very interesting. There will be reports on the late successful picnic and field days, interesting exhibits and other attractive features, and all records of September meetings will undoubtedly be broken. Members are invited to bring along any interested friends to enjoy this meeting.

W. N. CRAIG, Secretary.

## NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The outing and clam bake of this organization will take place at Duer's Whitestone Pavilion, Whitestone Landing, N. Y., on Tuesday, Sept. 15. The members and friends will start from Long Island R. R. station on special cars attached to train leaving at 10.33 A. M. A breakfast will be served at noon and the clam bake will be on at 5.30 P. M. The committee in charge has arranged for prize bowling for ladies and gentlemen, prize shooting, dancing and other enjoyable pastimes.

## CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club had a good attendance at the regular meeting September 3. The picnic committee made its report on the financial outcome of the picnic which indicated a surplus of not less than two hundred dollars. This sum will be used toward the fund for entertaining visitors at the National Flower Show in November. The coming flower show

was informally discussed but nothing definite decided upon. Wm. Kasting of Buffalo, chairman of the National Committee, will call a meeting at Chicago about the 15th inst. and the club decided to hold a special meeting at that time to perfect arrangements. The Rose Show Committee reported and was discharged.

#### CLUB AND SOCIETY NOTES.

The American Association of Railroad Gardeners met at Niagara Falls Sept. 9.

At the meeting of the Houghton Horticultural Society, Lynn, Mass., on Sept. 2, E. F. Dwyer gave an entertaining talk.

The Illinois State Fair to be held at Springfield the last week in September will make quite a feature of plants and flowers and valuable premiums are offered.

At the first September show of the Worcester County Horticultural Society, Worcester, Mass., gladioli, begonias and phloxes were abundant and fine.

A very interesting discussion was started at the last meeting of the Winnipeg Florists' Association (Manitoba) on "The Aster Blight and Its Cause," which will be continued at a future meeting.

At the meeting of the Southern Nurserymen's Association at Atlanta, Ga., Aug. 19, 20, Henry Chase was elected president; J. C. Miller, vice-president; and A. I. Smith, Knoxville, Tenn., was re-elected secretary and treasurer. The next annual meeting will be held at Huntsville, Ala.

The horticultural exhibition which opened Sept. 3 at Manitoba Hall, Winnipeg, was a really splendid one, and the sum of \$1,000 which was offered in prizes brought out the exhibitors in goodly numbers. The exhibition was under the joint auspices of the Winnipeg Florists' Association and the Western Horticultural Society, and its officials worked hard to make the show a success.

Messrs. F. R. Pierson, Peter Duff, John E. Lager, Jos. A. Manda, W. W. Burnham and John Young, representing the Horticultural Society of New York, held a meeting at Mr. Young's office on Tuesday, Sept. 8, to make arrangements for the fall exhibition which will take place at the Museum of Natural History, 80th street and Columbus avenue, New York City, on Nov. 17, 18 and 19.

At the sixth annual meeting of the Society of Iowa Florists on Aug. 28 officers were elected as follows: President, Charles N. Page, Des Moines; vice-president, J. S. Wilson, Des Moines; secretary Wesley Greene, Davenport; treasurer, Peter Lambert, Des Moines. It was voted to hold a special meeting the second week in December and the next annual meeting in Des Moines during the state fair next fall.

The Mt. Desert Nurseries, Bar Harbor, had a magnificent collection of decorative plants and cut flowers, Casco Castle Greenhouses displayed cut flowers, E. F. Hitchings, Bangor, showed a home flower garden, where the sweet peas were a leading feature, and A. R. Meader had gladioli at the fair at Waterville, Me., last week.

#### TWO NEGLECTED ANNUALS.

The section of garden annuals popularly known as Everlastings embraces many very beautiful flowers among which none are more desirable for garden or pot culture than the one illustrated herewith. *Rhodanthe Manglesi*.



RHODANTHE MANGLESI

*glesii*, also called *Helipterum Manglesi*, furnishes a profusion of lovely pink and white blossoms throughout the midsummer season when such are most needed in the border. The globe amaranth which is in many respects inferior to this *rhodanthe* is, for some unexplained reason much more commonly grown. There should be a place



VISCARIA OCLATA ALBA

in every garden for *Rhodanthe Manglesi*.

Another meritorious but neglected annual is the pretty little *lychnis*, *Viscaria oculata alba*, shown in the accompanying illustration. In association with the pink flowered type it makes a very effective display in the garden border.

#### FERTILIZERS AND FERTILITY.

(A Paper by J. F. Cowell, read before the Society of American Florists and Ornamental Horticulturists, at Niagara Falls, N. Y., Aug. 19, 1908.)

Few phases of scientific investigations are of greater interest, or hold forth more promise of profitable results, than the studies which are being made in regard to the fertility of our soils and their conservation. To the gardener the subject is of prime importance, whether his work be in the open field or under a roof of glass; whether engaged in the growing of the primary food products, or in the production of materials for decoration and the expression of the higher aesthetic feelings of mankind.

That we are still in the experimental stage of agriculture can hardly be denied, though we are slowly approximating to a scientific basis. Theory and practice are often at variance, probably from a misunderstanding of the meaning of the facts before us. These differences will in time be eliminated, and our practice will constantly become more exact. That we still have many things to learn about our soils and their relation to plant life goes without saying, but at the present time I think we are not all making the best use of the knowledge which has accumulated on these subjects.

In this paper, today, will be found little that is original, but rather an attempt to collate and place before you some of the more striking facts and theories current at this time.

In these days of extensive gardening, all questions relating in any way to the supply and assimilation of the elements of fertility are of vital interest, as upon their correct solution depends the final profit or loss.

In order that we may discuss these matters more intelligently, let us briefly review some of the fundamental facts which underlie the subject, as well as some modern theories of fertility and assimilation, and the relation of various factors which enter into the problem of plant growth.

The great bulk of plant tissue is made up of starch, cellulose and water, with a small amount of protoids or albuminoids. These reduced to their simplest terms mean carbon, oxygen, hydrogen and nitrogen, which, together with potash, phosphorus and a little lime and sulphur, make up the list of essentials. Carbon, oxygen, hydrogen and nitrogen in gaseous condition are everywhere present in the atmosphere, while potash, phosphorus and lime and sulphur are found to a greater or less extent in most soils, and are the elements which become exhausted and have to be

renewed. Of these latter elements sulphur may be omitted, as it, like some other elements of minor importance, is usually found in sufficient quantity.

Of these substances the most expensive and at the same time the most evanescent, is nitrogen. The soil will not hold it; it is here today and there tomorrow. It is inordinately fond of fresh fields of activity, and so impatient of confinement that it has to be constantly kept at work, and watched lest it escape into the atmosphere from whence it came, or enter into some combination which secretes it and deprives the plant of its services.

The usual sources of supply for fertilizing purposes are from animal substances, stable manure and from natural deposits of nitrates.

Potash is a more stable element, though likely to be lost by leaching, and is obtained in commercial quantities from wood ashes and from the nitrates and sulphates.

Phosphoric acid is commonly bought in the shape of ground phosphatic rock, from bone, horn, hair, from fish and from basic slag. These three elements have been called "The tripod of fertility."

A so-called complete fertilizer as prepared by the manufacturers will contain, we will say, 60 lbs. of available nitrogen worth at 19c. per lb., \$11.40; 6 per cent. or 120 lbs. of available phosphoric acid worth at 5c. per lb., \$6.00; 5 per cent. or 100 lbs. of available potash worth at 5c. per lb., \$5.00; making a total cost of \$22.00 per ton, of which more than one-half is represented by the nitrogen.

From whatever source these elements are obtained, they must be soluble in water in order to be available to the crop. Potash and phosphoric acid can be applied to the soil at any time, and the loss from leaching or otherwise is not very serious, while any surplus beyond the present needs of the plants will be retained for future use; but nitrogen applied in excess is, as a rule, nitrogen wasted, and as we have seen, this is an expensive fertilizer. This leads us to the theory, which has the support of good practice, that nitrogen should be applied in small quantities, and often rather than enough at one time to perfect the crop. There are combinations of nitrogen, however, as in stable manure and animal matters, which require time to unlock and render available. Such compounds may be applied in larger quantities some time previous to the planting of the crop, or a time allowance made to enable the proper forces to tear the combination apart, and render nitrogen fit for assimilation.

The high price of artificial fer-

tilizers has caused careful search to be made for the purpose of finding cheaper sources of supply than those above mentioned.

To understand the reasons for some of the studies which have been made with this end in view, it will be well to review some of the theories of the inhalation of nitrogen and the forces which are supposed to play an important part in the reduction of nitrogenous compounds and the secretion of the product within the plant tissues. Some of the most interesting chapters in the history of plant life are those dealing with the relationships between widely different organizations where a partnership is formed for the mutual benefit of the parties concerned. It was formerly supposed that all plants growing upon others were parasites, or, to use the somewhat "yellow" language of Grant Allen, they were committing "Robbery and Murder." When, nearly forty years ago, Frank made the startling assertion that the "Beech is a parasite on a fungus," he did not mean just what we would ordinarily understand by parasite, but that the beech was simply dependent for the supply of nitrogen upon a mycorrhiza or root fungus.

Modern investigations have shown that many of the associations are far from being criminal, and that the two members are mutually dependent on one another for existence. To this peculiar arrangement has been given the name of symbiosis, which, being interpreted, means growing together.

Plants of the higher orders are dependant for their supply of nitrogen on that which is soluble in water, while some of the lower forms are able to extract it from its compounds, or, as some claim, from the atmosphere, a statement, however, which needs proof. Of the lowly forms which possess these powers of nitrification, perhaps the most familiar are the maligned bacteria. To these simple nitro-organisms we probably owe most of the reduction of organic remains, the breaking down of complex, and the formation of simpler soluble ones.

It is maintained that a symbiotic relationship exists between our red clover and the nitrifying bacteria, and that the little swellings or tubercles which are ordinarily to be found on the roots of the clover are the homes of the bacteria; that the bacteria supply the nitrogen necessary for the growth of the clover, and, in return, take from the clover such elaborated food as they may require.

Such tubercles may be found on the roots of beans, peas or, in fact, on most any of the leguminous plants.

Whether the bacteria can take nitro-

gen from the air may well be doubted, but it is a pretty well established fact that they can extract nitrogen from combinations that are beyond the power of higher plants. So firmly has the belief in this association been established that it has become the practice to inoculate the soil with the proper bacteria when legumes are to be grown on soil where their natural symbionts are lacking.

This inoculation is often made by the transfer of some soil from a fertile field to the new location. One can obtain on the market pure cultures of bacteria suitable for various crops, and sow with the seed. That the use of these cultures is not uniformly successful, does not disprove the theory, but rather indicates that the preparations are at fault, or that they are not properly applied.

Long before these relationships were known, the fact was realized that if a good crop of clover could be grown upon a field it could safely be relied upon to grow a good crop of corn or wheat the succeeding year, and this notwithstanding the fact that the clover had been cut and removed in the form of hay, the extensive root system of the clover with its stored nitrogen being sufficient for the succeeding crop.

The action of fungi of the unicellular type in breaking down organic compounds has long been recognized, and put to use in many industries; witness the yeasts and other ferments of this class, but their mutual relationships with the higher plants are subjects of quite recent inquiries. To recur to the statement in regard to the fungus and the beech, we find that in this case we have a fungus of a higher and much more complex organization, a fungus which, instead of being a microscopic unicellular plant or a collection of similar cells, is really a structure having organs highly differentiated and making in some stages of its growth a conspicuous object to the naked eye. Here, too, it is believed that a symbiotic relationship is maintained, and that the mycorrhiza, in return for the nitrogen secreted for the higher plant, takes its pay in starch or sugar which it is unable to make for itself. Investigation shows many cases of symbiosis between plants containing chlorophyll and those which are without it. Among our cultivated plants which depend more or less upon the help of the root fungus, we may mention some of the orchids, gerardias, polygalas, some ericaceous species and many others. If you will examine some of these plants, or, to be more exact, if you will place a thin section of their root on the stage



of a microscope having a magnifying power of about nine hundred diameters, you will be able to trace the mycelium of the fungus investing with its anastomosing fibres the outside of the root and penetrating through the epidermal cells of the host.

In speaking of the ferments we are prone to infer that the work is all done by the micro-organisms already referred to, but it seems that still more important in the economy of plant as well as animal life are the unorganized ferments or enzymes. It now seems likely that these enzymes may have an important bearing on the fertilizer question. Just what the nature of these substances may be, at the present time we do not know as it is difficult to collect them in a pure state. That they are highly nitrogenous however, is generally believed. But it is their action which concerns us most. It is said that these ferments bring about changes by their mere presence, or at least without loss of their own substance. That is what is called catalytic action, just as the presence of certain metals in a solution will precipitate other metals.

These enzymes exist in all parts of the active tissues of the plant, and are found in abundance upon the growing point of roots. They evidently have the power of reducing the starches, fats and proteids to forms which can be directly assimilated and used in the building up of tissue. In fact it appears that it is to the work of these enzymes that the bacteria and other simple forms of vegetable life owe their power of rendering up in such a remarkable degree the nitrogen contained in albuminoids and other compounds. The enzymes have been studied principally as they appear within the plant body. They are not themselves organized, and are products, not parts, of the vegetable cell. They can bring about their characteristic changes as well outside as inside the body; and an interesting question is how far these substances may extend outside the plant body, and if it is not possible that in some genera of plants the work of collecting nitrogen from the soil is not due directly to them without the intervention of the fungus.

In discussing the fertility of the soil, there are other factors than the presence of chemical elements necessary for plant food. The food must be accessible, there must be a supply of water for solvent purposes, and there must be a sufficient amount of heat to encourage the action of the dissolving agencies. The physical condition of the soil plays a very important part in determining the fertility of the soil. Air and water are not usually spoken of as fertilizers, but they, nevertheless, are vital to the success of the plant. The soil must be of such character that the air can circulate among the particles and come in contact with the rootlets. The soil must also be in such condition that it will hold a certain amount of water, and it must be of such consistency that the root hairs can visit every little grain of earth in search of nutriment.

The soil must not be so fine as to obstruct the free passage of air and water, nor so coarse as to allow either to flow through in currents.



FORMOSUM LILIUM LONGIFLORUM  
(Grown from bulbs of the Yokohama Nursery Co.)

## Surplus offer of **FORMOSA LILIUM LONGIFLORUM**

On account of unfavorable weather the bulbs of the Formosa Liliun Longiflorum did not grow up to the sizes expected but the plants formed good solid bulb s. We are convinced our 6/8 in. size will give the same results which under favorable conditions a bulb of 7/8 in. would produce, and if two bulbs are planted in one pot the plants make a nicer showing than those with a single stem.

6/8 in. bulbs, 00 in a case at \$16.00 per case, 5% cash discount.

## **CALLAS, WHITE, JAPAN CROWN**

Our stock is grown for one season in dry loamy soil to make these roots fit for the long journey, consequently they are not as large as California grown stock. They produce however more flowers and are perfectly healthy.

Size 1—2 in. in diameter \$45.00 per 1000, 5% cash discount.

**THE YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., N.Y.**

What we need is a happy medium where the spaces between the soil particles are such that a mere film of water encircles every one, or what is called hygroscopic holding of moisture. In this condition the soil is capable of absorbing and holding the greatest possible amount of nutrients in a readily accessible manner. In this condition too it will maintain a more equable temperature and become a more comfortable home for nitrifying bacteria. This physical condition of the soil is brought about by tillage, and it is frequently the case that proper handling of the soil makes all the difference between success and failure.

So much for some of the factors which we have to consider in increasing the fertility of our fields, and now let us consider briefly some of the causes of loss of fertility. We are apt to attribute loss of fertility entirely to absence of available plant food. That such is not always the

case will be evident to anyone who has had long experience in gardening operations.

In the originally fertile farm lands of Central New York where a rotation of corn and wheat and clover, or wheat, clover and grass, or something of that kind was pursued for long years, we heard complaints of lessening fertility. The land would no longer grow clover, or, as the farmers expressed it, the land was "clover sick." This land still grows a fair crop of corn or potatoes or the grasses, but clover must be given a rest and is uncertain.

After a few years rest, probably the clover grows again. There are failures of other crops it is true, failures which are often and perhaps justly attributed to exhaustion of the soil or at least of certain of the elements. The theory is that the land must be rested or a rotation pursued which will allow of a recovery, or a renewal of the missing element. It is such

# HARDY FERNS ATTENTION! HARDY FERNS

WE wish to call the attention of the florists of the United States to the fact that we are this year storing and collecting our own hardy ferns and galax, hence we are in a position to compete with anyone on price and quality. Special prices made to persons agreeing to take a stipulated sum during the year while cold storage ferns last which is about the first of May. Write us the quantity you can use and we will quote you price. We trust you will favor us with your future orders.

**N. F. McCARTHY & CO.,** Largest Shippers of Florist Supplies in New England  
84 HAWLEY STREET, BOSTON, Mass.

occurrences which have been responsible for our systems of rotation of crops.

The unsatisfactory part of this exhaustion theory is that no matter how much fertilizer we may supply, we can not get certain crops to succeed themselves annually through a long series of years and give satisfactory returns; while certain other crops can be grown annually on the same plot for a generation and increase in fruitfulness from year to year. In looking for an explanation which explains, we naturally recall the fact that all living things in the course of their growth use only certain portions of the crude material which is taken into their systems, and reject other portions more or less changing in character. These rejected, waste or by-products may be thrown off from the organism or packed away in some unoccupied corner. These refuse portions are often useful as a food for other organisms though some are very poisonous, particularly to the organism which produced it. You will doubtless remember that the bacteria and other micro-organisms are notorious in this direction, they not only give off refuse matters which are excessively poisonous to some other forms of life, but in the end they destroy the bacteria from whence they came.

These secretions of waste matters have been given the name of ptomaines, and instances of severe illness or even death from the use of ice cream or cheese containing these ptomaines will perhaps be more or less familiar to you.

Now it is possible that our "Clover Sickness" and other like occurrences are due not to exhaustion but to the presence in the soil of these ptomaine poisons. Perhaps the clover itself may not be the direct victim, but the nuturing bacteria so necessary to the growth of the plant may be killed by their own toxic refuse. If this is true of clover, it may be true of other plants which decline to succeed themselves for any length of time.

If this theory of ptomaines is tenable, we have an explanation of a puzzle. There is of course a great difference in various plants in the character of their secretions. The Rothamsted experiments showed, if I remember rightly, that wheat could be grown on the same land for at least twenty years and the yield be on the increase.

Some other crops are known to do

well year after year in the same soil, a fact well known to gardeners, and I can recall one instance of rye being grown on the same field for twenty successive years without any apparent loss of vigor.

Regarding the behavior of many of the flower crops which are grown under glass, we have but comparatively few facts available. The general impression is, I think, that they will not do their best unless the soil is entirely renewed each season. Whether this is due to poisoning of the soil or to the exhaustion of some food element, or to a change in the physical character of the soil, has not been determined as far as I am aware. If the loss of fertility of the soil in our greenhouse is due to physical changes, it is a serious matter, for it means the removal and renewal of the soil once or twice a year, an operation both laborious and costly. In the broader practice of field work these losses can be more readily corrected, at least we do not have to move our soil to the crops, but can move our crops to the soil, a comparatively easy matter. Fertility can be maintained by proper rotation and the recuperative forces of Nature.

We stand in need of more work in the investigation of the losses in our greenhouse work, and it seems to me that the experiment stations might help us in that direction.

Horticulturists have, it is true, done a great deal of experimenting along these lines, but most of the work has not been done in such a manner as to render the results of any great value to the public, nor have there been records kept of the work which are available for study and comparison.

These are some of the factors which we have to consider when attempting to increase the fertility of our gardens. We do not know just what is the best thing to do; we must still experiment a little. Fertilizers do not act just the same every time, but we must continue to use them, and our experience is a pretty good, though often costly guide in their application.

We must remember that fertilizers do not always mean fertility; we need good tillage, good cultivation and common sense mixed with them.

It seems to me that we stand today upon the threshold of the door which will lead us to a vastly better understanding, not only of the processes of assimilation, but also a more perfect

knowledge of the economical production and use of fertilizing elements.

## DETROIT FLORISTS' CLUB.

Many members of the club appeared at the last meeting and listened to the address of the newly-elected president, Wm. B. Brown. Irrespective of the usual way of throwing bouquets on such occasions, we can say this time that the new officers of the Detroit Club are a positive guarantee for a very active year.

A committee of three was appointed to confer with such members as are two or more years behind in dues for the purpose of reinstating them again.

## NEWS NOTES.

The display from the children's gardens at Horticultural Hall, Boston, on September 5 was highly creditable and the largest on record, with entries from remote sections of the state. Five prizes were awarded for collections grown in window boxes in the city.

The business carried on by Harry Hoffman at Jacksonville, Ill., has developed so rapidly that a stock company has now been formed to be known as the Harry Hoffman Floral Co., and when, on Feb. 1, they take possession of the tract of land recently purchased near Diamond and Michigan avenues, they will erect a modern range of houses. The salesroom at 25 South Side Square will be retained under the management of Miss Nellie Magill.

We learn that the following trite communication was found attached to the door knob of the Florists' Club of Philadelphia early one morning last week:

"William K. Harris nominated George C. Watson for president at the last meeting of the Florists' Club of Philadelphia. This deep laid and diabolical scheme to keep Watson quiet and dignified for at least a year met, and deservedly too, with a prompt and energetic refusal. The palladium of our liberties cannot be muzzled by the bribe of earthly honor or reward."

You will find something worth reading on every page of HORTICULTURE.



# CYCLAMEN (NEW CROP)

To obtain large flowering plants for Thanksgiving and Christmas 1909, seeds should be sown now. For the florist, our Giant Cyclamen is unsurpassed.

Giant Crimson, Giant Blood Red, Giant Salmon, Giant Pink,  
Giant Excelsior, White with claret base Giant White, Giant Cherry Red,  
Picturatum, Pink with claret base

Price per 1000 seeds, \$10.00; 100 seeds, \$1.00.

**R. & J. Farquhar & Co.** 6 & 7 So. Market St. BOSTON, MASS.

## GREENHOUSES BUILDING OR CONTEMPLATED.

Sandusky, O.—City Greenhouses.  
Pittsburg Pa.—Zieger Co., one house.  
Lynn, Mass.—L. B. Reynolds, one house.  
Marion, Mass.—John Alanach, one house.  
Winnipeg, Man. A. H. Stolper, two houses.  
No. Olmstead, O.—Two carnation houses.  
Rocky Hill, Conn.—L. C. Austin, remodelling.  
Southbridge, Mass.—A. H. Faxon, one house.

Connersville, Ind.—Charles Riese, one house.

Pasadena, Calif.—Park Nursery Co., one house.

Johnstown, N. Y.—W. J. Larkin, two houses.

Oshkosh, Wis.—Fugleberg & Filster, house 28 x 120.

Morton Grove, Ill.—Charles Brooks, range of houses.

Leavenworth, Kan.—Hinz & Knipe, range of houses.

McKeesport, Pa.—J. H. Orth, two houses, 100 ft. each.

Denver, Colo. Washington Park Floral Co., additions.

Orange, N. J.—William Runkle, vegetable house, 12 x 30.

N. Tewksbury, Mass.—Trull Bros., vegetable house, 30 x 200.

Jacksonville, Fla. Harry Hoffman Floral Co., range of houses.

Willimantic, Conn.—W. A. Dawson, additions and improvements.

Oshkosh, Wis.—J. Nelson Co., three houses, each 25 x 80; shed, 22 x 85.

Chicago, Ill.—Calvary Cemetery Association, six houses, one 30 x 150, five 21 x 160.

Port Huron, Mich.—Wm. Murdoch, one house; M. Ullenbruch, four houses, 150 x 150.

New Orleans, La.—Abele Bros., range of houses. Henri. Cook, palm house, 100x200.

Under the plans of J. H. McWilliamson, landscape architect, the grounds of H. L. Pierce at Fitchburg, Mass., are being transformed. One feature of the work is the transplanting of a hundred trees, ranging in height from 20 to 40 feet.

## FINE 4-INCH POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5.00 per 100; \$45.00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

## SCOTT MEMORIAL FUND.

At the Niagara Falls convention the undersigned were appointed a committee to receive funds for a memorial to the late William Scott. The movement met with hearty response and the committee is still receiving the checks of those who wish to participate. As it is desired to conclude the matter without delay, the committee hopes that all those who have not contributed to the fund and wish to do so, or who hold moneys collected for the fund, will at once forward their checks, payable to Fred Breitmeyer, treasurer, Mount Clemens, Mich.

FRED BREITMEYER.  
E. F. WINTERSON.  
A. GUDE.  
JOHN BIRNIE.  
H. H. RITTER.

Committee.

BETWEEN YOU AND ME, What do you think of the Buyers' Directory and Ready Reference Guide of HORTICULTURE? I always look it over before I do any buying

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

EXTRA QUALITY **Bride and Maid**

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.

White Spruce, 3-4, 4-5, and 5-6 ft.

Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.

Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.

White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

The New England Nurseries, Inc.  
BEDFORD, MASS.

## The Roses that Win

MRS. POTTER PALMER, CARDINAL American Beauty and Other Standard Varieties. Rooted from Our Famous Stock. Send for Prices.

POEHLMANN BROS. CO.  
Morton Grove, Ill.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

'XTRA!

'XTRA!!

'XTRA!!!

All about the terrible shortage in the larger sizes of *Lilium Harrisii* which amounts to over 50 per cent. There are absolutely no more in the market. Wise growers are planting

## COLD STORAGE LILIES

*Lilium Longiflorum Giganteum* potted September 1st to 15th will flower for Thanksgiving and up to new year, *Lilium Speciosum Album* for Easter. This is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

## COLD STORAGE LILIUM GIGANTEUMS AND SPECIOSUMS, ETC.

Our stock of cold storage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

### LILIUM LONGIFLORUM GIGANTEUM.

7— 8 inch, 250 bulbs in a case.....	\$15.00 per case;	\$6.50 per 100;	\$60.00 per 1000
7— 9 inch, 300 bulbs in a case.....	21.00 per case;	8.00 per 100;	70.00 per 1000
8—10 inch, 200 bulbs in a case.....	19.00 per case;	10.50 per 100;	100.00 per 1000

### LILIUM SPECIOSUM ALBUM.

8— 9 inch, 160 bulbs in a case.....	\$10.00 per case;	\$6.50 per 100;	\$60.00 per 1000
9—11 inch, 100 bulbs in a case.....	10.00 per case;	10.50 per 100;	100.00 per 1000
11—13 inch, 100 bulbs in a case.....	18.00 per case;	18.00 per 100;	175.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,**

342 WEST 14TH ST.,  
NEW YORK CITY

## ORCHIDS

Largest Importers, Exporters, Growers  
and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

## ORCHIDS

Our importation has arrived in Perfect Condition  
*C. Gigas Sanderiana*, *C. Percivaliana*,  
*C. Gaskelliana*, *C. Mossiae*.

Expect *C. Mendelli* shortly.

ORDONEZ BROS., Madison, N. J.

## IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerules*, *Cattleya Trianae*,  
*Cattleya gigas Sanderiana*, *Cattleya*  
*Schroederiae*, *Oncidium varicosum*.

JULIUS ROEHRS CO., Rutherford N. J.

## ORCHIDS

Fresh shipments arrived in superb condition  
*Cattleya gigas* True Hardyana type  
*Cattleya Schroederiae*, *C. Trianae*, *C. Trianae* To-  
payian var., *Laelia Digbyana*, *Oncidium*  
*Kramerianum*, *Miltonia Vexillaria*, *Periste-  
ria elata* (Dove orchid), and *Odontoglossum*  
*Harryanum* and *Sceptrum*. Write for prices.  
LAGER & HURRELL, Summit, N. J.

## ORCHIDS

Orchid Baskets and Peat

Write for Prices

JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.

## ORCHIDS

Our latest importations have been, *Cattleya Chrysotoxa*, *Cattleya Gaskelliana*, *Cattleya Gigas*, (*Hardyana* district), *Phalaenopsis Amabilis* Schilleriana and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

**CARRILLO & BALDWIN**  
SECAUCUS, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....	80c per bbl
50-bbl lots.....	75c per bbl
100-bbl lots.....	70c per bbl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.



Look through the Buyers' Directory  
and Ready Reference Guide. You  
will find some good offers there also.

Established 40 Years  
**Rose Hill Nurseries**  
New and Rare Plants

NEW ROCHELLE, N. Y.  
New York Office, Siebrecht Building, 425 Fifth Avenue

## Harrisii and Longiflorum, Freesias

French and California Grown.

ALSO PURITY FREESIAS AND OXALIS.

Now in and Ready for Delivery.

**H. E. FISKE SEED CO.**  
12 Faneuil Hall Sq., BOSTON, MASS.

## HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

ROMAN HYACINTHS and the true  
PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillsgom

**K. VELTHUYS, Hillegom, Holland**  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

## BULBS FOR FORCING

Roman Hyacinths, *Lilium Harrisii*, Freesias,  
Tulips and Dutch Hyacinths.

PERENNIAL FLOWER SEEDS.

New crop for present sowing.

Special prices on application.

Sure Crop Mushroom Spawn, \$8.00 per 100 lbs.

Seed Merchants & Growers

Weeber & Don, 114 Chambers St., New York

## DAHLIAS.

Now is the time to  
place your order for  
bulbs which will insure  
you getting named va-  
rieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N. J.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
LILIES  
PLANTS  
BAMBOO STAKES



## Seed Trade

Some rather sensational crop news has been received during the past week, to the effect that owing to severe drought in Ohio and Michigan, sweet corn was bound to prove a very short crop in these states. In fact, it is said that field corn is little better. From Nebraska comes word of similar character, and predictions of prices up to the high water mark of last season are made by growers and seedsmen. Undoubtedly, this condition of the corn crop is much worse than generally supposed, but most persons have learned not to accept damage reports at their face value, and until fully confirmed, present reports should be accepted with a few "doots."

Bad as are the reports of damage to the corn crop, they are much worse as to vine seeds. One well known grower says in effect that practically every crop of musk and watermelons, and cucumbers in the state of Nebraska will be destroyed. The cause of this is the aphid or small green bug, much like the fellows that destroy peas sometimes and often cause the wheat farmers much worry and loss. This pest is often referred to as a louse, and some weeks ago attention was called to reports from the west that it was appearing in destructive numbers and causing much anxiety to vine seed growers. The latest reports from that part of the country give cause for real alarm, particularly as affecting muskmelons. The fact that they were a very light crop last year, and that we closed the season with very small reserves, and absolutely bare of many varieties, means that prices are going to rule very high the coming season. Admitting that reports are somewhat exaggerated, conditions are nevertheless very bad, and the fact that quotations have absolutely dried up is evidence that the seedsmen fully appreciate the situation. Wholesale houses are flooded with inquiries, but are invariably declining to name any prices.

In addition to melons and cucumbers squashes are also being attacked. The summer or bush varieties are being damaged by a green bug somewhat larger than that found on melons and cucumbers, and thus far the damage has not been so heavy.

Winter squashes are suffering from attacks of a grub which works at the root of the plant, causing it to die. The damage is about the same as in the case of the summer squashes, but a week may change conditions for the worse. It is earnestly hoped, however, that any change may be for the better, though there is little chance for improvement at this date.

Peas and beans are about the same as last report, but beans are going to be lighter than expected up to a very recent date. In reports from market gardeners are ripening a large part of the crop, but a short bean crop may be anything but an unmixed evil.

Referring again to peas, advices just this moment to hand state that that crop will prove fully as short as last

year. Canada field peas are quoted at \$1.20 per bushel f. o. b. grower's station, bags extra, and it is predicted that they will sell at \$1.40 before March 1st next.

Onion seed in California is all harvested, and 100 per cent. deliveries will be made on all varieties excepting Red Wethersfield and Extra Early Flat Red, which will range between 60 and 80 per cent.; Southport White Globe, 60 to 75 per cent. There may possibly be a slight shortage in White Portugal, but not enough to materially affect prices, and there will be plenty of seed at prices greatly under last year.

The prediction made in HORTICULTURE many weeks ago, that onion seed, excepting possibly the Whites and Flat Reds, would be abundant and cheap, will soon be realized. A Connecticut seed grower who speaks from knowledge, said weeks ago that 50,000 pounds of onion seed would be grown in that state this season, largely Red Wethersfield, and from 200,000 to 250,000 pounds will be grown in Michigan, Ohio and Indiana. Of this quantity, 60 per cent. will be Yellow Globe, Danvers and Southport.

Lettuces will be delivered on contracts just about as estimated in HORTICULTURE weeks ago. They will average from 60 per cent. to 90 per cent. Many varieties will be delivered in full, while a few will be down to 30 and 40 per cent., and still fewer will be failures.

The yield per acre of sweet peas has been short, as was predicted in HORTICULTURE, but the acreage was large, and there will be no great shortage excepting of a few fancy named varieties.

Salsify will be short, deliveries ranging from 50 per cent. to 70 per cent. California carrot seed is short excepting Long Orange, and so are several varieties of celery, but the situation is clearing up in better shape than might have been expected last June.

Burnett Bros. announce that on and after Sept. 15, 1908, they will be located at their new store, 72 Cortlandt street, between Greenwich and Washington streets, New York City.

Dealers report Roman hyacinth bulbs in the larger sizes as practically all disposed of.

### LOSS BY FIRE.

Bentley & Coatsworth Co.'s plant at New Castle, Ind., was damaged by fire on the night of Sept. 2. The loss is not fully determined, but will be between three and four thousand dollars. The entire packing shed and boiler house, 75 x 100 ft., two stories high, was destroyed, and one greenhouse adjoining had the glass broken and stock injured. The origin of the fire is unknown, but the supposition is that soot collected in the flues must have ignited, over-heating the pipes. When discovered by the night watchman the building was in flames. The loss is covered by insurance.

### NEWS NOTES.

Edward Austin of Suffield, Conn., has taken out a patent on a plant stake.

Gustave Olsen of Hartford, Conn., has started in the florist business at Walham, Mass.

Bids for the masonry work on the city greenhouse at Sandusky, O., were opened on Aug. 26.

C. C. Arnold succeeds E. D. Collins as manager of the Dunn Greenhouse Co. at Rochester, Ind.

Zech & Mann, Chicago, have added 128 square feet of space to their salesroom by elevating their office.

J. R. Sederquest opened a flower store in connection with his undertaking business at Calais, Me., on Aug. 25.

At the annual meeting of the directors of the Iowa Seed Co., Des Moines, Iowa, the following officers were elected: President, M. Kurtzwell; vice-president, J. M. Albright; secretary, G. L. Kurtzwell; treasurer, Charles L. Page.

W. H. Lutton, Jersey City, reports closing large contracts for ranges of conservatories for J. R. Delamar, Glen Cove, N. Y.; M. M. Loomam, New Rochelle, N. Y.; Lafayette Park, City of Norfolk, Va., and several others of lesser extent, all seeming to indicate that hard times are at an end.

### MOVEMENTS OF GARDENERS.

Robert Mackie, formerly at the L. L. Lawrence place, Bay Shore, N. Y., succeeds J. Marshall as gardener for Mrs. R. M. Clark at Pomfret, Conn.



## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

**POT GROWN STRAWBERRY PLANTS**  
Set in August and September will give a full crop next June. Our new method of growing them gives fine roots. C. S. PRATT, Reading, Mass. Send for Catalogue.

**DOUBLE FORM OF LILIUM AURATUM.**

Editor of HORTICULTURE:

In the article in your last issue describing and figuring a double form of *Lilium auratum*, grown by R. & J. Farquhar & Co., the writer mentions that the form shown in the illustration is a variation not before observed, so far as he could learn.

I find in looking over some old volumes of *The Garden* (London) two references to similar flowers. In Vol. 22, 1882, on page 355, is an article by Peter Barr describing a double variety which was flowered by a Mr. A. Higgs, of 38 King street, Covent Garden. Mr. Barr was much interested in this specimen and made the statement that he had flowered many thousands of *Lilium auratum* and had been in the habit of examining each plant, but on no occasion had he been able to trace any deviation from the normal six petals. He also expressed the opinion that it was only a freak but one that might be turned to account. The illustration accompanying the article shows a flower of much different form, the petals being much shorter and broader than the type. The last two flowers to open on the plant were single but the petals were not of the usual form.

The other reference may be found in Vol. 24, 1883, on page 178. This speaks of a photograph of a flower which was sent to the editor of the magazine by a Mr. Hoen of Baltimore. It showed a flower with four extra inner petals, while the one described by Mr. Barr had but three. The flower was produced by a bulb imported direct from Japan and was described as a beautiful and full sized flower.

It would seem that the species has the tendency to produce double flowers at rare intervals, but it is evident that no variety has yet been produced in which the habit has become fixed.

A. H. FEWKES.

**PUBLICATIONS RECEIVED.**

Serial No. 46 of the Georgia Department of Agriculture contains a valuable and very elaborate List of Commercial Fertilizers and Chemicals, inspected, analyzed and admitted for sale in the State of Georgia up to August 1, 1907, and other information in regard to fertilizers and fertilizer legislation. It was compiled under the supervision of Hon. T. G. Hudson, Commissioner of Agriculture, and R. E. Stallings, State Chemist, and assistants.

**CYCLAMEN SEED****Michell's Fancy Giant Strain**

Duke of Connaught. Crimson.  
Excelsior. White with red eye.  
Grandiflora Alba. Pure white.  
Princess of Wales. Pink  
Salmon Queen. Salmon Rose.

Price, \$1.25 per 100 seeds;  
1000 seeds \$12.00.

Mixed. All colors. Per 100 seeds \$1.00;  
\$9.00 per 1000 seeds.

**MICHELL 1018 MARKET ST.  
PHILA., PA.**

**C.C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

**Thorburn's  
Bulbs**

Roman Hyacinths,  
Bermuda Easter Lilies  
Narcissus Paper White Grandiflorus  
Freesias, etc.

Seeds of our Magnificent Strain  
Cyclamen Giganteum, Asparagus plu-  
mosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**SOW NOW MY STRAIN OF  
Hardy Garden Carnations**

	ds;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,	\$2.50	.30	
Dwarf Scarlet Grenadin .....	2.00	.30	
Early Dwarf Vienna, finest mixed.....	1.00	.20	
New Early White Vienna, fine for cut,	1.50	.20	
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed.....	4.00	.50	

**O. V. ZANGEN, Seedsman**  
HOBOKEN, N. J.

In ordering goods please add  
"I saw it in HORTICULTURE."

**WIZARD BRAND** MANURE  
PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE



Cattle Manure in bags, shredded or  
pulverized. Sheep Manure - kind  
dried in barrels.  
Best and safest manure for florists  
and greenhouse use.

Absolutely Pure  
No Waste  
No Danger

Write for literature and quantity  
prices.

THE PULVERIZED MANURE CO.

31 Exchange Ave., Union Stock Yards, Chicago

**GUARANTEED MUSHROOM  
SPAWN**

7 lbs. for \$1.00

**W. ELLIOTT & SONS**  
42 Vesey St., New York

BRIDGEMAN'S SEED WAREHOUSE  
**RICKARDS BROS.**  
Props.

37 East 19th St., - NEW YORK CITY

**BRASLAN SEED GROWERS CO.**

GROWERS FOR THE  
WHOLESALE TRADE ONLY  
**SAN JOSE, - - CALIFORNIA**

**READY** For Prompt  
Shipment...  
**FRENCH and DUTCH BULBS**

Catalogues mailed free on application  
**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit.

**JUST ARRIVED**  
LARGE SHIPMENT OF  
**High-Grade SCOTCH SOOT.**

We have the Stott Double Nozzle  
**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON

Winter-flowering  
**SWEET PEA SEED**  
All Colors

New crop ready in August next. Ask for list.

**A. C. ZVOLANER**  
ORIGINATOR. BOUND BROOK, N. J.

**SKIDELSKY & IRWIN CO.**  
Plants, Bulbs, Seeds  
144 No. 7th St.  
PHILADELPHIA, PENNA.

**Cauliflowers  
CABBAGE**

**HJALMAR HARTMANN & CO.,**  
12 Stormgade,  
COPENHAGEN, DENMARK.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .**  
**High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.  
Phones: Douglas 744, Douglas 523, Douglas 740

## M.C. and J.E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.**  
**CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### NEW RETAIL FLOWER STORES.

C. H. Roney, Kane, Pa.

Sam Harmata, 1750 First Ave., New  
York, N. Y.

Recklin & Lehman, 405 Douglas St.,  
Sioux City, Iowa.

R. L. Graham, North near Linden  
Ave., Baltimore, Md.

The Primrose Shop, 828 N. Broad  
St., Philadelphia, Pa.

Joe Lapatina, better known as  
"Pete," for fifteen years with Wietor  
Bros., opened a retail store at 1109  
Milwaukee Ave., Chicago, under the  
name of the "Star Flower Store."

Bohannon & Co. have opened a retail  
store at 29 Monroe street, Chicago.  
Mr. Bohannon has been in business for  
himself before as well as with other  
florists, and is therefore well known  
to the trade.

### STEAMER DEPARTURES

#### Allan.

Corsican, Mon't'l-Liverp'l...Sept. 18  
Virginian, Mon't'l-Liverp'l...Sept. 25  
Tunisian, Mon't'l-Liverp'l...Oct. 2

#### American.

St. Louis, N. Y.-S'hampton...Sept. 19

#### Atlantic Transport.

Minnehaha, N. Y.-London...Sept. 19

#### Cunard.

Lusitania, N. Y.-Liverp'l...Sept. 16  
Caronia, N. Y.-Liverp'l...Sept. 19  
Saxonia, Boston-Liverp'l...Sept. 22  
Mauretania, N. Y.-Liverp'l...Sept. 23

#### French Line.

La Lorraine, N. Y.-Havre...Sept. 17  
La Savoie, N. Y.-Havre...Sept. 24

#### Hamburg-American.

Patricia, N. Y.-Hamburg...Sept. 19

#### Leyland.

Cestrian, Boston-Liverpool...Sept. 16

#### North German Lloyd.

Kaiser Wm. II., N. Y.-Br'n...Sept. 15  
K. Wm. der Grosse, N. Y.-B...Sept. 22  
Kronpr'n Ceclie, N. Y.-Br'n...Sept. 29

#### Red Star.

Zeeland, N. Y.-London...Sept. 19

#### White Star.

Majestic, N. Y.-S'hampton...Sept. 16  
Arabic, N. Y.-Liverpool...Sept. 17

### FAIRS AND NEIGHBORHOOD FLOWER SHOWS.

Avon, N. Y., second annual flower  
carnival, Aug. 27.

Victor, N. Y., sixth annual flower  
festival, Sept. 3, 4.

Waltham, Mass., Home Garden Asso-  
ciation Flower Day, Sept. 19.

Central Falls, R. I., Field Naturalist  
Society, Aug. 29, 30, flower show.

Watertown, S. D., second annual  
flower show of Civic Improvement  
League, Sept. 2.

The Union Agricultural and Horti-  
cultural Society held its semi-centen-  
nial fair on August 25, 26, 27, at Tru-  
mansburg, N. Y.

Newburyport, Mass., City Improve-  
ment Society, Aug. 29, flower show.  
T. C. Thurlow, J. J. Comley, Kent &  
Marsh and J. A. Keniston had hand-  
some exhibits.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

## THOS. F. CALVIN

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.

## COMING EVENTS.

Newport, R. I., Newport Horticultural Society, autumn exhibition, Sept. 12, 13, 14.

Washington, D. C., Florist Club of Washington, Chrysanthemum Show, Masonic Temple, September 12, 13, 14.

Boston, Mass., Massachusetts Horticultural Society, autumn exhibition, Sept. 11, 12, 13; exhibition of fruits and vegetables, Oct. 10, 11; Chrysanthemum show, Nov. 6, 7, 8, 9.

Boston, Mass., New England Dahlia Society, Tremont Temple, exhibition, Sept. 17, 18, 19.

Providence, R. I., Rhode Island Horticultural Society, fall show, Sept. 17, 18, Francis Williard Hall.

White Marsh, Md., Maryland Horticultural Society, with R. Vincent & Sons, Sept. 22.

New York, N. Y., American Institute of New York, exhibition, Sept. 22, 23, 24, Berkeley Lyceum Building.

Hartford, Conn., Connecticut Horticultural Society, fall show, Sept. 23; chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Huntington, N. Y., Horticultural and Agricultural Society, sixth annual exhibition, Sept. 25.

Menlo Park, Calif., Menlo Park Horticultural Society, exhibition, Oct. 15.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November.

Shreveport, La., State Fair, November 3, 4, 5.

Red Bank, N. J., Monmouth County Horticultural Society, show, Nov. 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, Oct. 14, Dahlia show; show, Nov. 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

Baltimore, Md., Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

Indianapolis, Ind., American Carnation Society, Jan. 27, 28, 1909.

## Obituary

Joseph D. Galvin.

Joseph D. Galvin, manager of the Boylston street store and conservatories of Thomas F. Galvin, Inc., Boston, was killed in a runaway accident on Tuesday evening, September 8. He was driving to his home in Dorchester when the horse took fright at a passing railroad train, and in the smash-up which followed Mr. Galvin was thrown against a telegraph pole and died a few minutes later. John McNamara, an employe, who was with him, was not seriously injured.

Mr. Galvin was 55 years of age. He leaves three brothers, Thomas F., John Mitchell, formerly city clerk of Boston, and Dr. George A., and his mother who is 89 years of age and in very



JOSEPH D. GALVIN

feeble health. His father, the late John Galvin, was for many years superintendent of public grounds of Boston.

Mr. Galvin was a jovial, companionable man, extremely popular with all who knew him and much sorrow is felt over his tragic death.

Frank E. Manning.

Frank E. Manning, of Gatchel & Manning, horticultural engravers and illustrators, Philadelphia, died at Silver City, New Mexico, Sept. 5th, where he had gone, accompanied by his wife, last January in search of health. Until recently, when his health broke down, Mr. Manning had been actively identified with his firm. He was of a genial and companionable temperament and made hosts of friends in business and socially. He was identified with a large number of mercantile and fraternal organizations.

## PERSONAL.

Harry Rowe of Somersworth, N. H., has taken a position in Salem, Mass.

J. F. Huss of Hartford, Conn., returned on Friday, September 4, from his European trip.

Miss Pauline Fieber of Cincinnati has taken a position with the Atlanta Floral Co., Atlanta, Ga.

George McWilliam and wife of Whitinsville, Mass., returned from their trip abroad on September 4th.

A letter received recently from Wm. R. Smith of Washington conveys the cheerful news that Mr. Smith is steadily improving in health.

F. X. Amsrhyn, superintendent of New Haven parks, is attending the Congress of the Playgrounds Association of America at New York.

Frank P. Brigham of Lockport, N. Y., has accepted a position as foreman for H. H. Battles, Thorn Hedge Greenhouses, Newton Square, Pa.

Visitors in Boston: Frank N. Meyer, agricultural explorer for the U. S. Department of Agriculture, returning from explorations in China. W. E. Chappell, Providence, R. I.

Mr. and Mrs. August Poehlmann and son returned Monday from their eastern trip. After attending the convention they went up the St. Lawrence to the Thousand Islands, then to Montreal.

George Stumpp while abroad met with an accident when shooting with some friends. A cartridge exploded prematurely and his face was badly burned with powder but fortunately his eyes escaped serious injury.

President Frank H. Traendly of the S. A. F. and Mrs. Traendly are receiving the congratulations of their friends on the birth of a son last Sunday. Jubilation is the order of business this week in the 28th street district of New York.

Chicago visitors: M. Cook, wife and daughter, New Orleans; Martin Reukauf of H. Bayersdorfer & Co., Philadelphia; John W. Getz, Los Angeles, Cal.; J. A. Meinhart, retail florist, Leavenworth, Kan.; Mrs. J. T. Johnson, of Ft. Smith, Ark., who was taken ill while with her husband in Chicago, improving. P. M. Palez, manager for Vesta Bros., Little Rock, Ark.; W. F. Crab of Crabb & Hunter, Grand Rapids, Mich.

## FLORISTS' SUPPLIES

Send for New Catalogue

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA

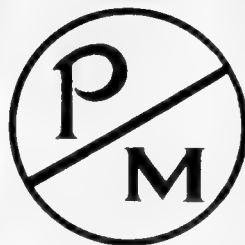
JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## NIESSEN American Beauty Roses

New Crop—Extra Choice  
SUMMER PRICES

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.

After June 27th Store closes 6 p. m.



QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

**MRS. JARDINE**, The new pink rose—best on the market at present. Price \$6.00 to \$8.00 per 100.

**MY MARYLAND** Excellent flowers of this beautiful new rose \$6.00 to \$8.00 per 100.

**ASTERS, Extra Choice**  
Frame and greenhouse grown. \$2.00 and \$3.00 per 100

**VALLEY, Extra**  
The "Come-again" kind. \$3.00 and \$4.00 per 100

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO.**  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
45-47-49 WABASH AVE., CHICAGO

## FANCY LATE ASTERS

CHOICE QUALITY

**W. E. McKISSICK** WHOLESALE FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

## WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

## E. A. BEAVEN

**Southern Wild Smilax,  
Log Mosses,**

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

In ordering goods please add "I saw it in HORTICULTURE."

## ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 34.

**AMERICAN BEAUTY** and all other ROSES  
**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Sept. 8		Sept. 8		Sept. 8		Sept. 10	
<b>ROSES</b>								
Am. Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 30.00	20.00	to 25.00	15.00	to 25.00
" Extra .....	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.00	to 15.00
" No. 1 .....	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	6.00	to 10.00
" Lower grades .....	5.00	to 10.00	6.00	to 8.00	8.00	to 10.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special .....	3.00	to 6.00	4.00	to 6.00	5.00	to 6.00	3.00	to 4.00
" Lower grades .....	1.00	to 3.00	3.00	to 4.00	2.00	to 3.00	.25	to 1.00
Killarney, Richmond, Fan. & Sp. ....	5.00	to 8.00	4.00	to 7.00	5.00	to 6.00	2.00	to 4.00
" Lower grades .....	2.00	to 5.00	3.00	to 4.00	2.00	to 3.00	.25	to 1.00
Kaiserin, Carnot .....	4.00	to 6.00	3.00	to 6.00	2.00	to 8.00	.50	to 6.00
Golden Gate, Chateaufay, etc. ....	2.00	to 6.00	3.00	to 6.00	2.00	to 6.00	.25	to 4.00
<b>CARNATIONS</b>								
Fancy and Novelties .....	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00	1.00	to 1.50
Ordinary .....	.40	to 1.00	.75	to 1.00	1.00	to 1.50	.50	to .75
<b>MISCELLANEOUS</b>								
Cattleyas .....	40.00	to 50.00	40.00	to 50.00	.....	to 75.00	50.00	to 70.00
Lilies .....	5.00	to 10.00	5.00	to 12.00	.....	to 15.00	6.00	to 10.00
Lily of the Valley .....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Asters .....	.50	to 3.00	1.00	to 4.00	1.00	to 3.00	.10	to 1.00
Gladioli .....	2.00	to 5.00	2.00	to 5.00	2.00	to 3.00	1.00	to 3.00
Sweet Peas .....	.10	to .40	.25	to .50	.....	to 1.00	.....	to 1.00
Adiantum .....	.75	to 1.00	1.00	to 1.50	.....	to 1.00	1.00	to 1.50
Smilax .....	6.00	to 10.00	1.00	to 15.00	.....	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings .....	35.00	to 50.00	35.00	to 50.00	.....	to 50.00	25.00	to 50.00
" " & Sorens. (100 bchs.) .....	35.00	to 50.00	35.00	to 50.00	.....	to 50.00	15.00	to 50.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.



## Flower Market Reports.

**BOSTON** The most conspicuous article in this market at the present time is the aster, of which the supply coming is tremendous. The growers are numbered by legions, and they are all growing the high-class varieties; the result is easily imagined. The retail price "of 25 for 15 cents" doesn't half tell it. Gladioli are fine but also over-stocked. A good place is being found for the variety *Princeps*, which shares with *Shakespeare* the popular favor. *American Beauty* maintains its pre-eminence and some good blooms are being received which sell fairly well. Other roses are not making much sensation. Most of them are small and short-stemmed thus far. Several new varieties are beginning to appear in the wholesale markets, notably *Mrs. Jardine* and *My Maryland*, and considerable interest is evinced in their "trotting" qualities. Carnations gradually gaining ground, but the asters hold them down very effectually just now. Lily of the valley has done better since Sept. 1 than in August. Lilies are coming in variable quality and in not too heavy numbers, and they find a fairly appreciative market.

The aster season is in full swing and gladioli are in heavy supply. The late branching asters are of fine quality and the best stock has moved fairly well, but too much short, small stock is blocking up and is hard to sell at any reasonable price. The solid colors of gladioli are having a good sale, but there are still too many mixed colors which take the same course as the asters. These are carried along from day to day waiting for the cemetery florist to make an offer and which generally is accepted. The stock of new carnations is increasing each week, but they are short stems. The same is true with *Brides*, *Bridesmaids*, *Chatenay*, *Richmond* and *Killarney*, with at times an oversupply. *Detroit*, *Kaiserin* and *Carnot* are still in good supply and move readily. Lily of the valley and other stock is in good supply; demand normal.

**CHICAGO** In the Chicago market asters largely predominate, and the stock is decidedly better on the whole. Prices have lowered on fancy stock because there is more of it, though there is no danger of a glut at present. *American Beauty* roses are also bringing a little less, because more plentiful. Outdoor flowers, asters excepted, are getting less in evidence. Carnations are still small and on very short stems. Most growers are cutting from new stock, though an occasional one still is using his old plants. Trade in general is picking up and quite a different atmosphere prevails in the wholesale district.

A much better tone prevails in the business and assists materially in reducing the enormous stock of asters dumped into the local market. Were it not for the careless assorting we would not have such large quantities but better quality and better prices.

**CUT ASTERS** 50c to \$1.50  
per hundred  
**CUT GLADIOLI** \$3.00 per  
hundred

**ALTIMO CULTURE CO.**

Canfield, Ohio.

Carnations are beginning to come in fairly good.

**INDIANAPOLIS** The past two weeks have shown a marked improvement in the quality of stock, but the same cannot be said about the condition of business. There is an increase in the number of roses, with about enough demand to absorb the better grades, *Beauties* as a matter of course being the leading seller. The carnation supply continues light, with chiefly short stemmed flowers of a half-dozen varieties. The aster crop has been reinforced by the arrival of some extra fine *Crego*. *Dahlias* are in, but owing to continued dry weather the crop will probably be very short this year. Gladioli are not quite so plentiful yet sufficient for all demands. Lilies of the various kinds appear to be a trifle less plentiful with prices a little higher. Greens have been reinforced by the arrival of wild smilax and autumn foliage.

**NEW YORK** There is very little doing thus far in wholesale flower trade circles excepting that the commission men are busying themselves with the work of locating desirable consignors in special lines for the coming season, and growers are beginning to cast around and see what they can learn to their own interest in the same line. Asters are the dominant feature everywhere. The small varieties which were first abundant have now given place to the later blooming fancy sorts and those now coming in are grand as to quality. The price is very low, however, and the accumulation of surplus stock is very large. In all other lines the situation remains unchanged. Sales are made at such prices as buyers are disposed to pay and there is little prospect of improvement at the present time.

**PHILADELPHIA** There was no decided improvement in business last week. Frame asters are very good and in fair demand, but there are far too many of the poorer qualities, and these are unsalable. Roses of all kinds were quite plentiful. *American Beauties* are still clearing up fairly well; but there are a good many more now coming in. Some very good flowers of *My Maryland* are arriving. There are a little short-stemmed as yet. *Mrs. Jardine* is fairly plentiful and good. Carnations are improving as to flower, but are very short in the stem. *Enchantress* and *Beacon* show up best.

Outdoor Crockers are better for stem, and are unusually free from splits this year. Gladioli are not so plentiful and the light-colored varieties clean up well. Lily of the valley is moving a good deal better. Orchids are still scarce. *Nelumbiums* and other water lilies are fine, but the demand has dropped off. *Tritomas* go slow, but will be in better demand when autumn foliage effects are wanted. Greens are going a trifle livelier. Very few *dahlia*s to be seen so far. Growers are holding back until the flush of the aster crop is over. But orders can be filled on short notice if desired.

**WINNIPEG** Trade is still very quiet in this city, although a good deal of funeral work has kept the florists busy for the last few days, but the sale of cut flowers is really at a standstill, and little change is expected until the out-of-town folks return for the winter.

### BUSINESS CHANGES.

John McMillin will retire from the management of the Phelps greenhouses at Blackinton, Mass.

John Bauscher, Jr., started in his new place, 104 Chicago street, Freeport, Ill., on Sept. 1st.

J. A. Kepner of Harrisburg has purchased the Penn Flower Shop, Reading, Pa., and Miss Myra Bretz will be in charge.

The Eggeling Floral Co. of St. Louis has taken down its greenhouses at South Grand avenue and will rebuild at Normandy.

A. S. Nodine is to give up the florist business at Milford, Conn., and looks favorably towards Providence, R. I., for a new location, it is said.

John Kruchten, commission florist, Chicago, opens up the fall season with two partners, Alfred Lorenzo and John Pool, and the name will now read John Kruchten & Co.

D. William Brainard and Chester F. Brainard of Thompsonville, Conn., who have been conducting separate florist establishments, have consolidated. No immediate change will be made, the two places running as at present.

### INCORPORATED.

Co-operative Nurseries, Rochester, N. Y., J. A. Ryan, J. C. Feist, J. E. Mackay; capital, \$25,000.

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist **SELLING AGENT FOR  
LARGEST GROWERS**  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
CARNEDIAS, DAISIES, ROSES AND CARNATIONS  
**JAMES McMANUS,** Telephone 759 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending Sept. 5 1908		First Half of Week beginning Sept. 7 1908			Last Half of Week ending Sept. 5 1908		First Half of Week beginning Sept. 7 1908	
<b>Roses</b>					<b>Carnations, Fancy and Novelties.</b>	1.00 to	1.50	1.50 to	2.00
Am. Beauty, fan and sp. ....	10.00	to 20.00	10.00	to 20.00	"    Ordinary .....	.50 to	.75	..... to	1.00
"    extra .....	6.00	to 8.00	6.00	to 8.00	<b>Cattleyas</b> .....	50.00	to 60.00	50.00	to 60.00
"    No. 1.....	4.00	to 6.00	3.00	to 5.00	<b>Lilies</b> .....	3.00	to 6.00	3.00	to 6.00
Lower grades .....	.25	to 2.00	.15	to 2.00	<b>Lily of the Valley</b> .....	1.00	to 2.00	1.00	to 2.00
Bride, 'Maid, fan and sp. ....	2.00	to 4.00	3.00	to 4.00	<b>Asters</b> .....	.25	to 1.00	.25	to 1.00
"    lwr. grds. ....	.25	to 2.00	.25	to 2.00	<b>Gladioli</b> .....	.25	to 1.00	.25	to 1.00
Killarney, Richmond, tancy & spec	3.00	to 5.00	3.00	to 5.00	<b>Gardenias</b> .....	12.00	to 25.00	12.00	to 25.00
"    lower grades.	.25	to 2.00	.25	to 2.00	<b>Adiantum</b> .....	.50	to .75	.50	to .75
Kaiserin, Carnot.....	.25	to 5.00	.25	to 4.00	<b>Smilax</b> .....	6.00	to 10.00	10.00	to 12.00
Golden Gate, Chateau, etc. ....	.25	to 5.00	.25	to 4.00	<b>Asparagus Plumosus, strings...</b>	20.00	to 25.00	20.00	to 25.00
					"    " & Spren. (too bchs.)	10.00	to 20.00	10.00	to 15.00

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. New York.

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites

**TRAENDLY & SCHENCK**  
WHOLESALE FLORISTS  
Furnish best stock at fair prices all the year round. Send for quotations on fall orders  
Tel. 798, 799 Madison Sq. 44 West 28th Street, New York City

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 NEW YORK

**WEIGEL & UJFALUSSY**  
Successors to Emil Steffens  
Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.  
136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.  
Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**BOSTON FLORIST LETTER CO.**  
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/4 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

N. F. MCCARTHY, Manager  
66 Pearl Street, BOSTON, MASS.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.  
53 West 30th Street, NEW YORK

Telephone 2083 Madison

**JOHN YOUNG**

**WHOLESALE FLORIST**

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

## PHILADELPHIA NOTES.

Edwin Lonsdale, superintendent of the Girard College gardens and grounds, has been appointed judge of flowers at the Allentown Agricultural Society's show, Allentown, Pa., Sept. 22 to 25.

Fred. Lautenschinger of Kroeschell Bros. Co., Chicago, reports the best year in the company's history. The Kroeschell boiler seems to be growing in favor in this locality. Other visitors; J. A. Simmers, Toronto; Mr. Garley, St. Louis.

A. B. Cartledge, Jr., won the championship of the Delaware in Saturday's regatta with his yacht Corinae.

Samuel S. Pennock and family, after a few weeks in Rhode Island, are now finishing their vacation in the Pocono mountains. No hay fever up there.

## IN BANKRUPTCY.

Horace T. Dumont, who has conducted business under the names of Dumont & Co. and The Rosary Flower Shop, Philadelphia, has been adjudged a voluntary bankrupt in the U. S. District Court; liabilities, \$2172.21; assets, \$456.89.

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.



**Henry M. Robinson & Co.**

**Wholesale and Commission**

**FLORISTS**

**Hardy Cut Evergreens and Florists' Supplies**

NEW CROP DAGGER AND FANCY FERNS, \$1.00 per M.

15 Province St. and 9 Chapman Place, Boston, Mass.



## WHOLESALE FLOWER MARKETS.

PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 8	DETROIT Sept. 8	BUFFALO Sept. 8	PITTSBURG Sept. 8
<b>ROSES</b>				
Am. Beauty, Fan. and Sp.....	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
“ Extra .....	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
“ No. 1 .....	8.00 to 10.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
“ Lower grades.....	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
Bride, 'Maid, F. & S.....	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
“ Low. gr.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Killarney, Richmond, Fan. & Sp.....	4.00 to 5.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00
“ Lower grades.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Kaiserin, Carnot.....	3.00 to 5.00	5.00 to 7.00	5.00 to 7.00	5.00 to 7.00
Golden Gate, Chateauf, etc.....	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	..... to 2.00	..... to 1.50	..... to 2.00	..... to 1.50
Ordinary.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.50 to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas.....	..... to 50.00	50.00 to 60.00	40.00 to 50.00	..... to .75
Lilies.....	..... to 10.00	..... to 15.00	3.00 to 12.00	..... to 12.50
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Asters.....	1.00 to 3.00	1.00 to 1.00	.60 to 2.00	..... to 2.00
Gladioli.....	2.00 to 3.00	1.00 to 3.00	2.00 to 3.00	1.00 to 3.00
Sweet Peas.....	..... to 1.00	..... to 1.00	.20 to .40	..... to 1.00
Adiantum.....	..... to 1.00	.75 to 1.50	.50 to 1.50	.75 to 1.00
Smilax.....	..... to 10.00	.15 to 1.00	12.00 to 15.00	10.00 to 15.00
Asparagus Plumosus, strings.....	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	80.00 to 50.00
“ “ & Spreng. (100 bchs.)	25.00 to 35.00	30.00 to 50.00	25.00 to 50.00	20.00 to 35.00

**Flowers and Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.

For sale by dealers

**In writing to Advertisers kindly mention Horticulture**

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 23 State St., Boston.  
For page see List of Advertisers.

## ADIANTUM CROWEANUM

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago.

We have a specially fine lot of Arauca-  
rias—the plants at \$1.00 each are extra  
value for the money.

4-inch.....50 cents each  
5 ".....75 " each  
6 ".....\$1.00 each

Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.  
For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.,  
L. C. Midgley, Prop.  
For page see List of Advertisers.

Asparagus Plumous Seed Grower. Have  
your order booked now for next season.  
Seedlings, \$7.50 per 1000. Peter Mack,  
Orlando, Fla.

## ASTER AND GLADIOLUS BLOOMS

Altimo Culture Co., Canfield, O.  
For page see List of Advertisers.

Scientific Intense Culture Ranch, Elm-  
hurst, Ill., C. A. Kibbe, Mgr.  
Aster Lady Roosevelt.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street,  
New York.  
For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes,  
Pyramid and Standards. Write for list.  
Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.  
For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants  
from leaf cuttings, 2 1/4 inch pots, \$12.00  
per 100; \$110.00 per 1000. Julius Roehrs,  
Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for  
greenhouse heating. Lord & Burnham,  
1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all descrip-  
tion for All Cypress, Semi-Iron, Iron  
Frame or Truss Houses. Hot Bed Sash  
and Frames. Lord & Burnham Co., 1183  
Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St.,  
Boston.  
For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St.,  
New York.  
Trade List Now Ready.  
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.  
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq.,  
Boston.  
Freesias and Lily Bulbs.  
For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Boesch, 260 Clarendon  
St., Boston.

Bulbs French and Dutch.  
For page see List of Advertisers.

Wieber & Don, 114 Chambers St.,  
New York.  
Bulbs for Forcing.  
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St.,  
New York.  
Formosa Lilium Longiflorum: Japan Grown  
Callas.  
For page see List of Advertisers.

Lilium Canadense (both red and yellow),  
and Philadelphicum and other native bulbs.  
Also native tree and plant seeds. I have  
them and will make prices to suit L. E.  
Williams, Nottingham, N. H.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Field Grown.  
For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.  
Field Grown  
Carnations Imperial and Pink Imperial.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.  
For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Field Grown Carnations.  
For page see List of Advertisers.

C. H. Totty, Madison, N. J.  
Field Grown Carnations.  
For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.  
For page see List of Advertisers.

J. H. Playdon, Andover, Mass.  
Field Grown Carnations.  
For page see List of Advertisers.

## CARNATIONS — Continued

H. A. Cook & Son, Shrewsbury, Mass.  
Carnations Field Grown.  
For page see List of Advertisers.

Chas. H. Green, Spencer, Mass.  
Field Grown Carnations.  
For page see List of Advertisers.

Wilfrid Wheeler, Concord, Mass.  
Carnations, Queen, Fair Maid.

Field field grown Enchantress, \$5.00.  
Cash. L. E. Marquisee, Syracuse, N. Y.

Ready Now! 15,000 Fine Field Grown  
Carnations, Lawson, Fair Maid, Enchan-  
tress; \$5.00 per 100; \$40.00 per 1000. Cash  
with Order. Leonard Cousins, Jr., Concord  
Junction, Mass.

Field field grown Carnations, Enchan-  
tress, Queen, Winsor, Bountiful, Rose Pink  
Enchantress, \$5.00 per 100, \$45.00 per 1000.  
Sprenger, 4 inch, fine, same price. Sam-  
uel Kinder & Bro., Bristol, R. I.

60,000 Carnation Plants, field grown, ex-  
tra fine, Enchantress, Mrs. Thomas W.  
Lawson, White Lawson, Boston Market,  
Lady Bountiful, Cardinal, \$6.00 per 100;  
\$50.00 per 1000. Cash with order. M. J.  
SchAAF, Dansville, N. Y.

600 first size Queen Louise; 350 medium  
size Bountiful; 1500 medium size White  
Perfection; \$4.00 per 100. 300 White En-  
chantress, good stock; 100 Our White  
Seedling, good as the best on the market;  
\$6.00 per 100. All fine, healthy plants.  
Cash. W. E. Hall, Clyde, O.

1260 Enchantress, fine, at 5c.; 170 Im-  
perial, large, 6c.; 60 Elbon, very large, 5c.;  
10 White Enchantress, 10c.; 80 Winsor,  
small, 4c.; 190 Victory, small, 4c.; 50  
Haines, small, 3c.; 70 Lawsons, mixed, 2c.  
J. Macfarlane, Staatsburg, N. Y.

CAULIFLOWER AND CABBAGE  
SEED

H. Hartmann & Co., Copenhagen,  
Denmark.  
For page see List of Advertisers.

CHRYSANTHEMUMS

Herrington's book on the Chrysanthem-  
um, mailed to your address for 50c., by  
Horticulture Publishing Co., 11 Hamilton  
Place, Boston.

CONIFERS

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.  
For page see List of Advertisers.

COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made.  
Write for list. Holton & Hunkel Co., Mil-  
waukee, Wis.

CYCLAMEN.

Cyclamen, finest Giant strain, separate  
colors, strong, from 2-in. pots, 4c. J. L.  
Schiller, 929 Prouty Ave., Toledo, O.

DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

For List of Advertisers See Page 369

**DECORATIVE PLANTS**

- A. Leuthy & Co., Perkins St. Nurseries,**  
Roslindale, Mass.  
For page see List of Advertisers.
- Godfrey Aschmann,**  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.
- Storrs & Harrison Co.,** Painesville, O.  
Decorative Plants, Foinsettias,  
Primulas, Etc.  
For page see List of Advertisers.

**ELECTRIC CIRCULATOR**

- The Castle Co.,** 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**EVERGREENS**

- American Nursery Co.,** 150 Broadway,  
New York, N. Y.  
For page see List of Advertisers.
- New England Nurseries,** Bedford, Mass.  
For page see List of Advertisers.

**FERNS**

- A. Leuthy & Co.,** Roslindale, Mass.  
For page see List of Advertisers.
- H. H. Barrows & Son,** Whitman, Mass.  
Nephrolepis Whitmanii.  
For page see List of Advertisers.
- John Scott,** Brooklyn, N. Y.  
For page see List of Advertisers.
- Frank Oechslin,** 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.
- F. R. Pierson Co.,** Tarrytown-on-Hudson,  
New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.

**FERTILIZERS**

- Pulverized Manure Co.,** 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.
- Thos. J. Grey & Co.,**  
32 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.
- German Kali Works,** 93 Nassau St.,  
New York.  
For page see List of Advertisers.
- Wm. Elliott & Sons,** 42 Vesey St.,  
New York.  
Rams Head Sheep Manure.

**FLORAL PHOTOGRAPHS**

- Floral Photographs.** Foley's 228-228 1-2  
Bowery, New York.

**FLORISTS' GREENS**

- George Cotsonas & Co.,** 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**FLORISTS' LETTERS.**

- Boston Florist Letter Co.,** 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS' SUPPLIES**

- N. F. McCarthy & Co.,** 84 Hawley St.,  
Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co.,** 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Reed & Keller,** 122 W. 25th St., New York.  
For page see List of Advertisers.
- J. B. Murdoch & Co.,** 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.
- H. Bayersdorfer & Co.,** 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

- Park Floral Co.,** Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co.,** 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co.,** Atlanta, Ga.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

- M. C. & J. E. Hauswirth,** 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.
- William J. Smyth,** Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co.,** 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz,** 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin,** 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn,** 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark,** 396 Boylston St.,  
Boston.  
For page see List of Advertisers.
- Edward MacMullin,** 194 Boylston St.,  
Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons,** Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray,** 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co.,** 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber,** 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres,** 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.
- David Clarke's Sons,** 2189-2141 Broadway,  
New York.  
For page see List of Advertisers.
- Alex. McConnell,** New York.  
For page see List of Advertisers.
- Robert G. Wilson,** Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent,** 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop,** 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

- W. H. Ernest,** 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.
- A. H. Hews & Co.,** Cambridge, Mass.  
For page see List of Advertisers.
- Hilfinger Bros.,** Ft. Edward, N. Y.  
For page see List of Advertisers.
- Red pots, seed pans, etc.  
**The Peters & Reed Pottery Co.,**  
Zanesville, O.

**GALAX**

- Michigan Cut Flower Co.,** 38 and 40 Broad  
way, Detroit, Mich.  
For page see List of Advertisers.
- George Cotsonas & Co.,** 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**GERANIUMS**

- R. Vincent Jr. & Sons Co.,** White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

- Gladiolus Blooms by dozen, hundred or  
thousand. Trial order, 100 blooms, mixed,  
\$1.00. **J. L. Moore,** Northboro, Mass.

**GLASS**

- Boston Plate & Window Glass Co.,** Boston.  
For page see List of Advertisers.
- Standard Plate Glass Co.,** 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.
- S. Jacobs & Sons,** 1365-79 Flushing Ave.,  
Brooklyn, N. Y.
- Metropolitan Material Co.,** 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

**GLASS—Continued**

- Foley Mfg. Co.,** Western Ave., between  
25th & 26th Sts., Chicago.
- Sharp, Partridge & Co.,** 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.
- Greenhouse glass,** lowest prices. **John-  
ston Glass Co.,** Hartford City, Ind.
- GLASS, High Grade, Double Thick Green-  
house Glass.** **Lord & Burnham,** 1133 Broad-  
way, N. Y.

**GLAZING POINT**

- H. A. Dreer,** Philadelphia, Pa.  
For page see List of Advertisers.
- GLAZING POINTS,** Lord & Burnham  
Special Glazing Nails (Points). **Lord &  
Burnham,** 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

- Lord & Burnham Co.,**  
1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co.,** 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co.,** Neponset,  
Boston.  
For page see List of Advertisers.
- King Construction Co.,** N. Tonawanda,  
New York.  
For page see List of Advertisers.
- J. C. Moninger Co.,** 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.
- Foley Mfg. Co.,** Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- I. Cassidy,** Summer Ave. and Erie B. R.,  
Newark, N. J.  
For page see List of Advertisers.
- Geo. B. Doane,** 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.
- Wm. H. Lutton,** West Side Avenue Sta.,  
Jersey City, N. J.  
For page see List of Advertisers.
- Metropolitan Material Co.,** 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- S. Jacobs & Sons,** 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

- GREENHOUSE CONSTRUCTION,** Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. **Lord & Burnham,**  
1133 Broadway, N. Y.
- J. A. Payne,** 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.
- I. Cassidy,** Summer Ave. and Erie B. R.,  
Newark, N. J.  
For page see List of Advertisers.
- Foley Mfg. Co.,** Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Wm. H. Lutton,** West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.
- The Weathered Co.,** New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

- Anchor grade wears well.  
**Mineralized Rubber Co.,** New York, N. Y.

**GUTTERS**

- GUTTERS,** Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip gut-  
ter attachment. **Lord & Burnham,** 1133  
Broadway, N. Y.

**HAIL INSURANCE**

- Florists' Hall** Assn. of America.  
**J. G. Esler,** Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

- H. M. Robinson & Co.,** 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



**HARDY FERNS AND SUPPLIES—****Continued**

Michigan Cut Flower Exchange,  
88 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Onwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Place, Chicago.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.  
P. B. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.

Stunpp & Walter Co., 50 Barclay St.,  
New York.  
Kilmead Tobacco Dust.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

The Storrs Harrison Co., Painesville, O.  
For page see List of Advertisers.

	Each	Doz.
Kentia Belmoreana, 6-in. ....	\$1.50	\$18.00
" 7-in. ....	1.75	21.00
" 8-in. ....	2.50	30.00
" 8-in. strong 4.00		48.00
" 9-in. ....	6.00	
Kentia Forsteriana, 7-in. ....	2.50	30.00
" 8-in. ....	3.00	36.00
" 8-in. strong 5.00		60.00
" 9-in. ....	6.00	72.00
Made-up Kentia Forsteriana 6.00		72.00

Wittbold Co., 1657 Buckingham Place,  
Chicago, Ill.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway,  
New York.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn  
made "Direct from Spores." Write for  
pamphlet. Anglo-American Spawn Co.,  
Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture."  
John F. Flood Co., East St., Ded-  
ham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong  
field grown clumps, \$2.00 per 100, or \$17.50  
per 1000. Geo. A. Dhonau, East Walnut  
Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.  
For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental  
Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

P. Onwerkerk, 216 Jane St., Weehawken  
Heights, N. J.

Holland Nursery Stock for Forcing.

For page see List of Advertisers.

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca  
Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.  
Trees and Plants.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New  
York, N. Y.

For page see List of Advertisers.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists

For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.

For page see List of Advertisers.

Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries  
Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Place, Chicago.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse  
Lead Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Orchid peat, Rotted peat, Azalea peat,  
Leaf-Mould, Live Sphagnum moss, Baled  
Sphagnum moss, Green Clump moss, etc.  
Jobbers' list on application. C. W. Brown-  
ell & Co., Walden, N. Y.

Wm. Mathews, Utica, N. Y.

Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

**PEONIES**

Wholesale Peony list for fall 1908 is now  
ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America.  
Send 25 cts. in stamps for new edition of  
Peony Manual. C. S. Harrison's Select  
Nursery, York, Neb.

PEONIES, Humel, a beautiful pink, \$6  
per 100. Ivory, fine white, \$8 per 100.  
Write for our catalogue of novelties. Wag-  
ner Park Conservatories, Sidney, Ohio.

Peonies. Newest of the new, and the  
standard old varieties. Send for catalog.  
George Hollis, 128 Hollis St., South Wey-  
mouth, Mass.

Peonies, Iris and Phlox. A new cata-  
logue with cultural directions. Cherry  
Hill Nurseries, West Newbury, Mass.

Peonies, largest collection anywhere,  
1200 sorts, big stock of Couronne d'Or,  
Felix Crousse, O. Demay, etc. C. Betscher,  
Canal Dover, Ohio.

Peonies, Phlox and Iris. Large roots in  
great variety. S. G. Harris, Tarrytown,  
N. Y.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual.  
Fine mixed phloxes \$1.50 per 100. C. S.  
Harrison's Select Nursery, York, Neb.

Phlox, 20 of the best varieties. John F.  
Flood Co., East St., Dedham, Mass.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and  
26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and  
Wrought Pipe, Valves, Elbows, Pipe Hooks,  
Automatic Air Headers, etc. Lord &  
Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp.,  
\$1.25 by mail. I. N. Kramer & Son, Cedar  
Rapids, Ia.

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**RAFFIA**

Raffia (colored), 20 beautiful shades.  
Samples free. R. H. Comey Co., Camden,  
N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,

Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schnitz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

**For List of Advertisers See Page 369**

**RETAIL FLORISTS — Continued**

- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulklin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326 Olive St., St. Louis Mo.  
For page see List of Advertisers.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

- John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.
- P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

- Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.
- The E. G. Hill Co., Richmond, Ind. Bride and 'Maid.  
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- Wood Bros., Fishkill, N. Y.  
Grafted Roses, Own Roots.  
For page see List of Advertisers.
- Worcester Conservatories, Worcester, Mass.  
Grafted Bride and Carnot Roses.
- Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.
- Roses, strong, own root, 4 inch Chateau, Killarney, Richmond and Maid, 88 per 100. Fine stock. Siebrecht & Son, New Rochelle, N. Y.

The beautiful new pink rose, MISS KATE MOULTON is the queen of all pink roses. It's a winner and you should grow it. Price \$30.00 100; 500 \$125.00; 1000 \$200.00; 5000 and upwards \$175 per 1000. Minneapolis Floral Co., Minneapolis, Minn.

**SCALECIDE**

- B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

- T. J. Grey Co., 32 So. Market St., Boston, Mass.  
For page see List of Advertisers.
- Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

**SEEDS — Continued**

- Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.
- H. F. Michell Co., 1017 Market St., Phila. Cyclamen Seed.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark. Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Rickards Bros., 87 E. 19th St., New York.  
For page see List of Advertisers.
- R. & J. Farquhar & Co., 6-7 So. Market St., Boston. Cyclamen Seed.  
For page see List of Advertisers.
- Brasilian Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.
- d. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.
- O. V. Zangen, Hoboken, N. J. Hardy Garden Carnation Seed.  
For page see List of Advertisers.
- C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.
- Skidelsky & Irwin Co., 144 N. 7th St., Philadelphia.  
For page see List of Advertisers.

**SHRUBS**

- The Geo. Witthold Co., 1657 Buckingham Palace, Chicago.

**SMILAX**

- R. Vincent Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.
- Smilax, strong, from 2 1/2 inch; \$2.50 per 100. Cash. L. E. Marquisee, Syracuse, N. Y.

**SPHAGNUM MOSS**

- Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

- Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

We have a large stock of fresh gathered sphagnum. Sample bale shipped on request to prove the quality and quantity. The Ocean Co. Moss & Peat Co., No. 11, Wardtown, N. J.

**SPRAYERS**

- "SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

- E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**STRAWBERRY PLANTS**

- R. & J. Farquhar & Co., 6 and 7 So. Market St., Boston. Pot-Grown.  
For page see List of Advertisers.
- C. S. Pratt, Reading, Mass.  
For page see List of Advertisers.

**SULFUR BURNER**

- Benj. Dorrance, Rose Growers, Dorranceton, Pa.  
For page see List of Advertisers.

**SWEET PEAS**

- A. C. Zvolanek, Round Brook, N. J. Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

- E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

**VENTILATING APPARATUS — Continued**

- The Advance Co., Richmond, Ind.  
For page see List of Advertisers.
- Quaker City Machine Co., Richmond, Ind. 20th Century Ventilating Arm.  
For page see List of Advertisers.
- VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

**VIOLET PLANTS**

Field-grown Violet Plants, large and fine clean stock, Campbell, Princess of Wales and Gov. Herrick, \$4.50 per 100. Cash with order. R. Engelman, Pittsfield, Mass.

Violets, 3000 Princess of Wales, field clumps, \$4.00 per 100. A. B. Campbell, Cochranville, Pa.

Violet Plants, Princess of Wales, John F. Flood Co., East St., Dedham, Mass.

Chas. Black, Hightstown, N. J. Field Grown Violets.  
For page see List of Advertisers.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

- Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Welgel & Uffalussy, 136-138 W. 28th St., New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Hellscher's Wire Works, 88-40 Broadway, Detroit, Mich.
- Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

**WHOLESALE FLORISTS — Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros., 228 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

- Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

**New York**

- J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.
- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

# "NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

**Furnishes the  
Most Nicotine for the Money!**

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

**WHOLESALE FLORISTS—**

New York—Continued

- James McManus, 42 W. 28th St., New York  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York  
For page see List of Advertisers.
- Moore, Hentz & Nash 55 and 57 W. 28th St., New York  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 28th St., New York  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York  
For page see List of Advertisers.

**Philadelphia**

- W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Nissen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1008-10 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

**Pittsburg**

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

**St. Louis**

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

**WILD SMILAX**

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mossea.  
For page see List of Advertisers.

**New Offers in This Issue.****ARAUCARIAS: FERNS.**

- Henry A. Dreer, Philadelphia.  
For page see List of Advertisers.

**CABBAGE AND LETTUCE PLANTS.**

- R. Vincent Jr. Sons & Co.,  
White Marsh, Md.  
For page see List of Advertisers.

**CARNATIONS.**

- P. R. Quinlan, Syracuse, N. Y.  
For page see List of Advertisers.

**FIELD GROWN CARNATIONS.**

- Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

**HARDY FERNS.**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

**MAIDENHAIR, DAGGER AND  
FANCY FERNS: PRINCESS  
PINE.**

- H. M. Totman, Randolph, Vt.  
For page see List of Advertisers.

**MUSHROOM SPAWN.**

- Wm. Elliott & Sons, 42 Vesey St., New York.  
For page see List of Advertisers.

**SMILAX: ASPARAGUS PLUMOSUS  
AND SPRENGERI.**

- Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**SURPLUS CARNATION PLANTS.**

- Cohanzie Carnation Greenhouses,  
New London, Conn.  
For page see List of Advertisers.

**WHOLESALE FLORIST.**

- John Young, 51 W. 28th St., New York City.  
For page see List of Advertisers.

**FOR LEASE**

- FOR LEASE—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

**WANTS, FOR SALE, ETC.**

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

**HELP WANTED****GOOD MEN**

When you need good men, skilled or unskilled, Write:

**THOS. H.  
BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

**SITUATIONS WANTED**

WANTED SITUATION—As forester or park foreman. Good references. Address B, care HORTICULTURE, 11 Hamilton Place, Boston.

SITUATION WANTED in general greenhouse work or florist store. Life experience. Age 35. Address N. J., care HORTICULTURE.

**FOR SALE**

**FOR SALE** An extensive greenhouse property, situated at Downer's Grove, Illinois, near Chicago. In first-class condition; large heating plant; practically a new property; worth \$15,000. Terms reasonable; must be sold.

**G. A. CHERRY, ALDRICH & WORCESTER,  
AURORA, ILLINOIS**

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

FOR SALE—Special—Glass for sale below cost. 16 x 24 double thick American A. & B. qualities, below cost, for immediate acceptance. Never such an opportunity offered before. Write Parshelsky Bros., 50 Montrose Ave., Brooklyn, N. Y.

**MISCELLANEOUS WANTS****WANTED**

250 each Winsor and Beacon Carnation Plants, stocky and field-grown. Address with price, J. Newman & Sons Corp'n, 24 Tremont St., Boston.

**READY NOW**

**PTERIS TREMULA and PTERIS ARGYREA**  
Strong 2½ in. h. pot plants, \$2.50 per 100, \$20.00 per 1,000.

**ADIANTUM CROWEANUM**

Beautiful 1-inch pot plants, fine for cutting, pot sales or for living, \$5 per 100, \$45 per 1,000.

**ARAUCARIAS**

Never had a better lot. 12 in. h. pot plants, 12 inches high, 3 tiers, 6 in. h. pot plants, 14 in. h. high, 3 and 4 tiers, 12 in. h. pot plants, 10 in. h. high, 4 tiers, \$1.

**PRIMULA SINENSIS**

Fine strain. 2½ inch pots, \$5 per 100.

**PANDANUS UTILIS**

2½ inch pots, \$5 per 100, 1 inch pots, \$12.50 per 100.

**SMALL FERNS for dishes,**

Extra fine stock all varieties. 2½ in. h. pots, \$3.00 per 100, \$5.00 per 1,000.

**BOSTON FERN**

From bench, ready for 4 inch pots, \$1.00 per 100; 5 inch pot size, \$15.00 per 100. 1 inch pot size, \$25.00 per 100.

**PRIMULA ORCONICA**

2½ inch. White, Pink and Red at \$2.00 per 100.

**FICUS ELASTICA**

4 inch pot, 10 to 12 inches high, \$25 per 100; 5 inch pots, 20 inches high, \$50 per 100.

**KENTIA BELMOREANA**

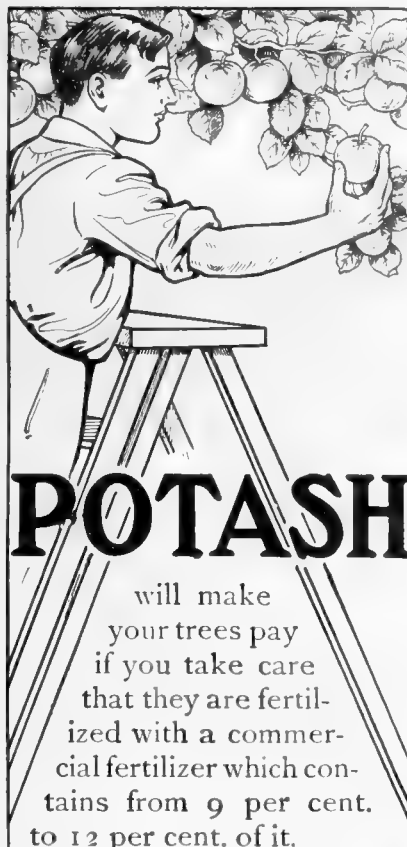
2½ inch pot plants for centers of ferneries, \$7 per 100.

THE STORRS &amp; HARRISON CO.,

PAINESVILLE, OHIO

## List of Advertisers

Page	Page
Advance, The Co. .... 371	McConnell Alex. .... 358
Altimo Culture Co. .... 361	McKellar Charles W. .... 360
American Nursery .... 353	McKissick, W. E. .... 360
American Nursery Co. .... 353	McManus Jas. .... 362
Aschmann G. .... 342	Metropolitan Ma-
Atlanta Floral Co. .... 358	terial Co. .... 371
Bambrick Thos. H. .... 368	Meyer J. C. & Co. .... 355
Barrows H. H. & Son. .... 342	Michell H. F. Co. .... 357-369
Bassett & Washburn. .... 344	Michigan Cut Flower
Bayersdorfer H. & Co. .... 359	Exchange. .... 363
Bay State Nurseries. .... 353	Midgley L. C. .... 344
Beaven E. A. .... 360	Millang Bros. .... 362
Berning H. G. .... 363	Moninger J. C. .... 370
Black Chas. .... 344	Moore, Hentz & Nash. .... 362
Boddington A. T. .... 355	Morse C. C. & Co. .... 357
Boston Florist Letter	Murdoch J. B. & Co. .... 368
Co. .... 373	Murray Samuel .... 358
Boston Plate and Win-	
dow Glass Co. .... 370	New England Nur-
Bosch, Felix. .... 355	series. .... 351
Braslan Seed Growers	Niessen Leo. Co. .... 360
Co. .... 357	
Breck Joseph & Sons 357	Oechslin Frank .... 342
Breitmeyer's J. Sons. 358	Ordenez Bros. .... 355
Bridgeman's Seed	Ouwertkerk P. .... 353
Warehouse. .... 357	
Budlong J. A. .... 360	Paethorpe P. R. Co. .... 369
Burpee W. A. & Co. .... 357	Park Floral Co. .... 358
	Payne John A. .... 370
Carrillo & Baldwin ... 355	Pennock-Meehan Co. 360
Cassidy I. .... 371	Perkins St. Nurseries. 342
Castle Co. .... 370	Pierce F. O. Co. .... 370
Cherry C. H. .... 368	Pierson, A. N. .... 342
Chicago Carnation	Pierson F. R. Co. .... 342
Co. .... 344	P'erson U Bar Co. .... 372
Clarke's David, Sons. 358	Playdon J. H. .... 344
Clary's Horticultural	Peehlmann Bros. Co. .... 342-351
Co. .... 353	Pratt B. G. .... 369
Cook H. A. & Son. .... 344	Pratt C. S. .... 356
Cotsonas Geo. & Co. .... 363	Pulverized Manure Co. 357
Cowee W. J. .... 363	
Craig, Robt. Co. .... 342	Quaker City Machine
	Co. .... 370
Dingee & Conard Co. 351	Quinlan P. R. .... 344
Doane Geo. B. & Son. 371	
Dorrance Renj. .... 369	Kaynor John I. .... 362
Dorner F. Sons & Co. 344	Reed & Keller. .... 362
Dreer H. A. .... 343-370	Reinberg Peter. .... 360
Dunlop John H. .... 358	Ribsam Carlman. .... 353
Dysart R. J. .... 360	Rice Bros. .... 360
	Rickards Bros. .... 357
Edwards Folding Box	Robinson H. M. & Co. 363
Co. .... 360	Rock Wm. L. Flo. Co. 358
Elliot Wm. & Sons. .... 357	Roehrs Julius Co. .... 355
Elm City Nurs'y Co. .... 353	Roper Albert. .... 344
Esler J. .... 370	Roland, Thomas. .... 351
Ernest W. H. .... 370	Rolker August & Sons. 370
Eyres. .... 358	Rose Hill Nurseries. .... 355
Farquhar R. & J. Co.	Sander & Son. .... 355
..... 351-356	Schulz Jacob. .... 359
Fenrich J. S. .... 362	Scott, John. .... 342
Fiske, H. E. Seed Co. .... 355	Sharp, Partridge & Co. 370
Foley Mfg. Co. .... 371	Sheridan W. F. .... 362
Ford Bros. .... 362	Siggers & Siggers. .... 371
Froment H. E. .... 362	Situations & Wants. .... 368
	Skidelsky & Irwin Co. 357
Galvin Thos. F. .... 358	Smyth Wm. J. .... 358
German Kali Works, 369	Standard Plate Glass
Green Chas. H. .... 344	Co. .... 370
Grey T. J. Co. .... 357	Stearns A. T. Lumber
Gude Bros. Co. .... 358	Co. .... 371
Guttman Alex. J. .... 362	Storrs & Harrison Co. 368
	Stump & Walter Co. 369
Hall Asso. .... 270	
Haines, J. E. .... 344	Thorburn J. M. & Co. 357
Hartmann Hjalmar &	To man H. M. .... 342
Co. .... 357	Totty Chas. H. .... 344
Hauswirth M. C. & J. E. 358	Traendly & Schenck. 362
Heacock Joseph. .... 353	Twomey D. J. .... 363
Herbert David & Son. .... 355	
Hews A. H. & Co. .... 370	Valentine, J. A. .... 358
Hilfinger Bros. .... 370	Velthuys K. .... 355
Hill, The E. G. Co. .... 351-355	Vincent R. Jr. & Sons, 344-356
Hippard E. .... 370	
Horan E. C. .... 362	Waterer John & Sons. 353
Houghton & Clark. .... 358	Weathered Co. .... 372
Hunt E. H. .... 369	Weber F. C. .... 358
	Weeber & Don. .... 355
Kentucky Tobacco	Welch Bros. .... 344-360
Product Co. .... 368	Weigel & Ujfalussy. .... 362
Kessler, P. F. .... 362	Wilson. .... 358
King Cons. Co. .... 370	Winterson, E. F. Co. .... 360
Kroeschell Bros. Co. .... 371	Witthold Geo. Co. .... 342
Kuebler Wm H. .... 363	Wood Bros. .... 344
	Woodrow, Sam'l A. .... 363
Lager & Hurrell .... 355	Worcester Conserva-
Langjahr, Alfred H. .... 362	tories. .... 344
Leuthy A. & Co. .... 342	
Lord & Burnham Co. .... 372	Yokohama Nursery Co.
Lutton W. H. .... 371	..... 351-355
	Young John. .... 358
Manda Jos. A. .... 355	Young & Nugent. .... 363
MacMullen E. A. .... 350	
Mathews Wm. .... 355	Zangen O. V. .... 357
McCarthy N. F. & Co.	Zinn Julius A. .... 358
..... 352-356	Zvolanek A. C. .... 357



**POTASH**

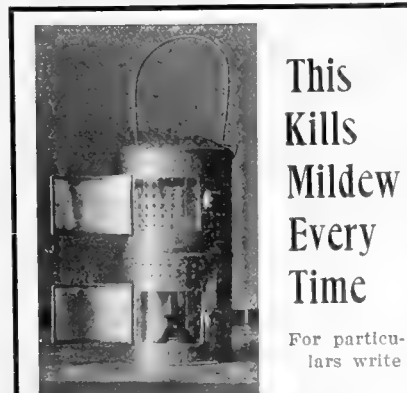
will make  
your trees pay  
if you take care  
that they are fertil-  
ized with a commer-  
cial fertilizer which con-  
tains from 9 per cent.  
to 12 per cent. of it.

That growth of sturdy  
stock which marks the  
thrifty orchard, and that  
abundance of full-sized,  
finely-colored and well-fla-  
vored fruit which makes the  
grower's profits, are se-  
cured by the use of Potash.

Send for Free Books on Fertilizing,  
prepared by experts, and of greatest  
value to the horticulturist.

**GERMAN KALI WORKS**  
93 Nassau Street, New York  
Chicago—Monadnock Building  
Atlanta, Ga.—1224 Candler Building  
Address office nearest you.

In ordering goods please add "I saw  
it in HORTICULTURE."



**BENJAMIN DORRANCE**  
ROSE GROWERS  
DORRANCE TON, - - PENNA.

**DON'T EXPERIMENT**

**USE**

**To-Bak-Ine**

and your stock will be  
free from insects, clean,  
and the blooms will not  
be discolored.

Send for full  
information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



**The Best  
Bug Killer and  
Bloom Saver**

For PROOF  
Write to

**P. R. Paethorpe Co.**  
OWENSBORO, KY.

**DON'T NEGLECT FALL SPRAYING!**

Now is the time to prepare to use

**"SCALECIDE"**

We guarantee it to kill San Jose Scale  
and all soft-bodied sucking insects. It also  
contains fungicidal properties.

**GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE**

Endorsed by leading Horticulturists,  
fruit growers and Experiment Stations.  
Write today for Booklet W. and full par-  
ticulars and FREE sample.

**B. G. PRATT CO., Mfg. Chemists,**  
50 Church St., NEW YORK

**KILMDEAD TOBACCO DUST**

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quality for Both Uses

Our Tobacco Dust is the pure tobacco, free  
from sand and dirt strong in Nicotine and al-  
ways of the same strength, making it superior  
to any dust on the market. Costs you no more  
than the ordinary product and will do twice  
the work. 10 lbs. \$1.00; 25 lbs. \$1.25; 50 lbs.  
\$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

**Is Your Name In The Above  
List? If Not, Why Not?**



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 3 1/4 " " "	5.25	60 8 " " " "	3.00
1500 3 1/2 " " "	6.00	<b>HAND MADE</b>	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/4 " " "	5.80	48 10 " " " "	4.80
500 4 " " "	4.50	24 11 " " " "	3.60
320 5 " " "	4.51	24 12 " " " "	4.80
144 6 " " "	3.16	12 14 " " " "	4.80
		6 16 " " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Folker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

## Anything of Value

to the profession

## CAN BE SOLD

through advertising in

## Horticulture

BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

## GREENHOUSE CONSTRUCTION LUMBER

John C. Moninger Co.

117 E. Blackhawk St., CHICAGO.



## Evans 20th Century Arm

Will not twist your shunting pipe. Give it a trial, as you will see for yourself. Three times the power of other arms.

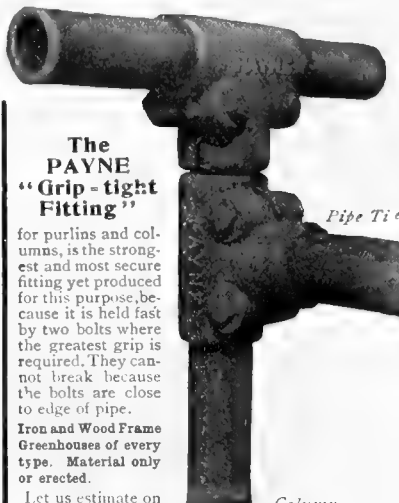
Write for catalogue

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

## John A. Payne

Greenhouse Designer and Builder  
260-274 Culver Ave., Jersey City, N. J.

*Purlins*



The  
PAYNE  
"Grip - tight  
Fitting"

for purlins and columns, is the strongest and most secure fitting yet produced for this purpose, because it is held fast by two bolts where the greatest grip is required. They cannot break because the bolts are close to edge of pipe.

Iron and Wood Frame Greenhouses of every type. Material only or erected.

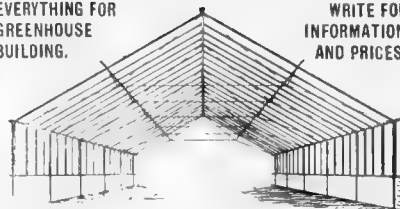
Let us estimate on your requirements.

*Column*

Everything for the Greenhouse

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Rangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## Are You Building

NEW GREENHOUSES

Or Making Improvements In

## Your Heating Outfit?

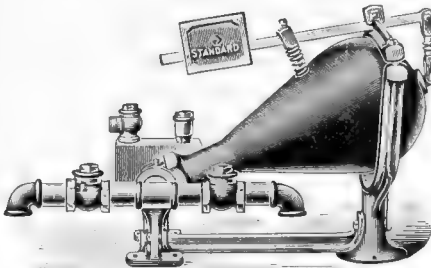
Don't overlook the advantages of forced circulation. Send us a Postal giving your address and we will tell you how to increase efficiency and economy.

**THE CASTLE COMPANY**

Heating Engineers

170 Summer St. . . Boston

## THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS



## MASTICA

FOR Greenhouse Glazing

USE IT NOW.

**F. O. PIERCE CO.**

12 W. Broadway and  
227 Greenwich St.  
NEW YORK

## Holds Glass Firmly

See the Point and  
**PEERLESS**

Glazing Points are the best.  
No extra or lefts. Box of  
1,000 points 75 cts. postpaid.

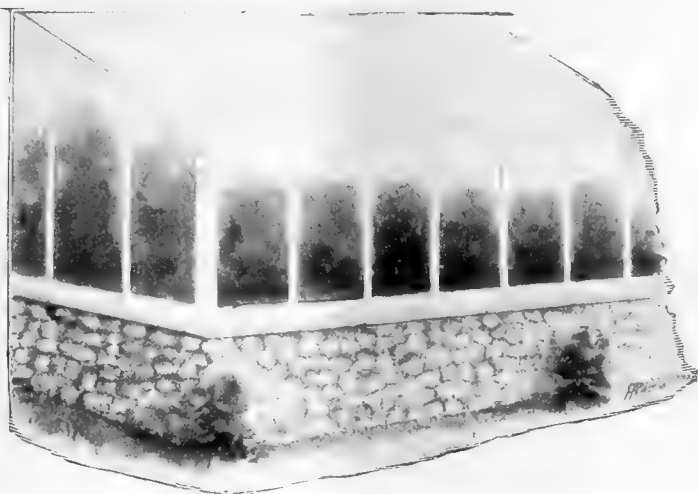
**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.

FULL SIZE  
No 2



The FLORISTS' HAIL ASSOCIATION  
OF AMERICA, insurer of 29,000,000  
sq. ft. of glass. For particulars address  
John G. Esler, Sec'y, Saddle River, N. J.





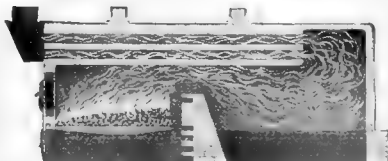
### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton, Horticultural Architect and Builder**

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

**Water Space in Front, Sides and Back**  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

THE ADVANCE CO. makes and is selling the easiest operating ventilating apparatus on the market. The strongest and most perfect. This too at **right prices**. Give us a trial order and you will know what a good one we have and be as enthusiastic over its work as the rest of our customers. Get our estimates and printed matter.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

**CHICAGO**

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

**From a Full Supply of Thoroughly Seasoned Lumber**

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

**ERECTED AND EQUIPPED COMPLETE IF DESIRED**

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**I. CASSIDY**

Designer and Builder of

**Iron and Wood Greenhouses**

Factory: Summer Ave and Erie R. R.

Newark, N. J.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

**METROPOLITAN MATERIAL CO.**  
GREENHOUSE WRECKERS

**GLASS**

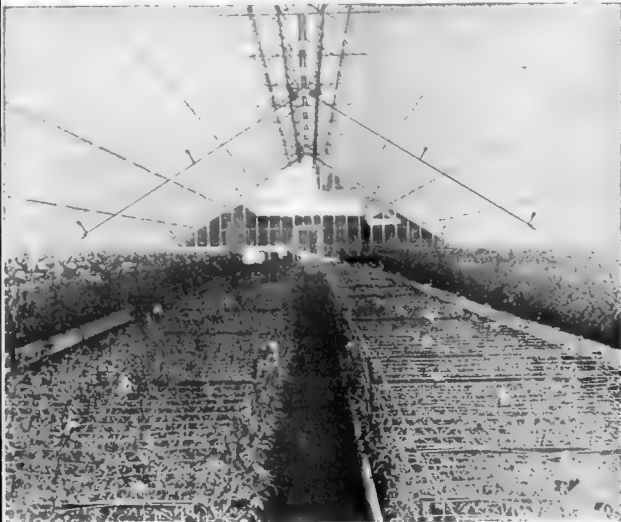
Look at these prices. New American 30 ft. to the box, 10 x 12 single \$1.84 per box, 10x12, 12x12 B. double \$2.39 per box, 12x14 to 12x20, 14x14 to 14x20, 16x14 and 16x18 B. double \$2.45 per box, and 16x20, 16x24, 12x24 B double \$2.75 per box, 20x12 C double, \$2.00 per box. Discount on large quantities. Let us quote you on

**CYPRESS MATERIAL HOTBED SASH**  
**BOILERS PIPE FITTINGS**  
**HOTBED FRAMES PLATS**

1398-1408 METROPOLITAN AV., BROOKLYN, N. Y.

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1/2 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.  
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

When It Was An-  
nounced at the  
S. A. F. Con-  
vention that this  
NEW  
BURNHAM  
ROUND  
SECTIONAL  
BOILER  
Received  
Highest Award



one party at once placed his order  
for one to be shipped to Illinois.  
Several more were afterwards sold.

LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
819 Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## VALUE OF THE U-BAR CURVED EAVE

In the first place, every bench whether it be on the side or in the middle, receives an equal amount of light. In the short winter days there is no band of shade cast by a gutter at the eave. There being no obstruction to the snow, the roof clears itself. Aside from these tremendous advantages, think of the increased light throughout the entire house because of the absence of heavy supporting members and the use of 24 inch wide glass. Then there is the looks

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

Send for Catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. SEPTEMBER 19, 1908 No. 12



A CONSERVATORY VIEW  
AT IROQUOIS, N. Y.

Devoted to the  
*FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

Published  
*EVERY SATURDAY*  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants. 2 1/4 inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### I HAVE JUST RETURNED

from my annual business tour of the European sources of supply and can offer Bargains in *Kentias* and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, *Asparagus plumosa* and Sprengeri. Also a large collection of small ferns for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For Araucarias, Bays, *Kentias*, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

**GODFREY ASCHMANN**  
1012 West Ontario St., Phila., Pa.

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**  
Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

### DECORATIVE PLANTS

*Araucaria Excelsa*, *Pandanus Utilis*, *Dracaena Indivisa*, *Kentias*, *Latanias*, *Arecas*, Etc.  
Perennials and Shrubs.

Send for our price list. We have a complete stock

**The Geo. Wittbold Co.**

1657 Buckingham Place,

Chicago, Ill.

*SMILAX*, 2-inch, \$2.00 per 100. *SPRENGERI*, 2-inch, \$2.50 per 100, \$22.00 per 1000; 3-inch, \$3.50 per 100. *ASPARAGUS PLUMOSUS*, 2-inch, \$3.00 per 100; \$25.00 per 1000; 6-inch, \$15.00 per 100

**POEHLMANN BROS. CO.,**

Morton Grove, Ill.

### WILD Hardy Maidenhair Ferns

Can supply in limited quantities, very fine clumps for fall planting freshly dug for each order from the deep woods on the Green Mts. of Vt. Write for prices, stating quantity.

Fresh Dagger and Fancy Ferns picked for each order \$1 per 1000. Also *Princes*, fine and Evergreen for roping, 7c. per lb.

**H. M. TOTMAN, - RANDOLPH, VT.**  
References: Randolph Nat'l Bank; Randolph Board of Trade; Bradstreets.

### ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**  
2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

**A. N. PIERSON, Inc.**  
CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

**FIELD GROWN CARNATIONS****5000 FAIR MAID****500 each QUEEN, CRAIG, WHITE LAWSON, ELBON****100 each PATTEN, IMPERIAL, PINK IMPERIAL, GOV. ROOSEVELT****All at \$6 per 100, \$50 per 1000****500 AFTERGLOW****\$14 per 100. Fine Stock**

Winter flowering Sweet Pea Seed now ready. Send for List.

**CHARLES H. TOTTY, Madison, N. J.****FIELD GROWN CARNATIONS**

Shipped Direct from the Grower

<b>WHITE</b>		Per 100	1000
White Enchantress	.....	\$8.00	\$70.00
Queen Louise	.....	6.00	50.00

<b>PINK</b>			
Splendor	.....	12.00	100.00
Rose Pink Enchantress	.....	7.00	60.00
Enchantress	.....	6.00	50.00

**WELCH BROS.****226 Devonshire St., Boston, Mass.****CARNATIONS****Large, Healthy Plants****FIELD GROWN**

Lawson, Boston Market. Fair Maid, Helen Goddard

\$5.00 per 100 \$45.00 per 1000

**H. A. COOK & SON, Shrewsbury, Mass.****Asparagus and Carnations**

200 Plumosa in 4 in., \$10. 1000 Prosperity, \$4. 1000 Lawson, \$4 and \$5. 500 Fair Maid, \$4 and \$5.

**WORCESTER CONSERVATORIES**

L. C. MIDDLEY, PROP.

Worcester, Mass.

**ANDREW CARNEGIE  
SCARLET HARLOWARDEN****FINE PLANTS****\$12.00 per 100, \$100.00 per 1000****CHICAGO CARNATION CO.**

A. T. PYFER, Mgr.

**JOLIET, ILL.**In ordering goods please add  
"I saw it in HORTICULTURE."**Field Grown CARNATIONS**

Enchantress, \$6 per 100. Harry Finn, Nelson Fisher, Fair Maid, Lawson, \$5 per 100. 125 Maceo, 250 White Lawson, 100 Fisher, second size, \$3 per 100. Cash.

**CHAS. H. GREEN, Spencer, Mass.****GERANIUMS OUR SPECIALTY**

is growing Geraniums in 2 in. pots; we have a fine lot ready for immediate shipment in a collection that is second to none in the country. We have good Standard sorts such as Alp. Ricard, S. A. Nutt, La Pilote, Thos. Meehan, Centaure, Mme. Landry, General Grant, Mrs. E. G. Hill, Jacquerie, at \$2.00 per 100. Berthe de Presilly, E. H. Trego, Marquise de Castellane, Peter Henderson, at \$3.00 per 100.

**SPECIAL OFFER for this week only, 100 Scented Geraniums in 15 varieties sent prepaid for \$ .00.****SPECIAL PRICE LIST for October and November delivery now ready.**

We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, all good plants from 2 inch pots; would make a fine stock for Christmas.

**SMILAX, extra strong, \$2 per 100; \$18 per 1000.**Our **Dahlia and Geranium Show** will be held Sept. 22nd-26th, at which some 300 varieties of Dahlias and 400 varieties of Geraniums will be on exhibition. Write us about trains, etc. Cowenton Station B. & O. R. R., Philadelphia Division, 9 miles east of Baltimore.**R. VINCENT JR. & SONS CO., - - - WHITE MARSH, MD.****BAY STATE**

The big sensation of all the recent Carnation Shows. A noble flower, white with carmine markings.

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000****ALBERT ROPER, Tewkesbury, Mass.****NEW RED CARNATION O. P. BASSETT****Extra Large Bright Red Free Bloomer**

<b>PRICES</b>		
Rooted Cuttings, per 1000, \$60.00	Rooted Cuttings, per 100, \$8.00	Rooted Cuttings, per 25, \$2.50
per 500, 35.00	per 50, 4.50	per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.****SURPLUS CARNATION PLANTS****UPLAND GROWN, NEW SOIL, NO DISEASE**

500 The Queen, 200 White Lawson, 200 Red Lawson, 200 Prospector, 100 Fair Maid, 150 Lord, 150 Queen Louise.

**\$5.00 per hundred****COHANZIE CARNATION GREENHOUSES, New London, Conn.****CARNATIONS**7500 Extra Fine Plants from field, consisting of Enchantress, Lady Bountiful, Lawson, Harlowarden, Boston Market, Crimson Glow and Fair Maid. **Special Prices to close out quickly.****P. R. QUINLAN, SYRACUSE, N. Y.****FIELD-GROWN VIOLETS**

Strong, healthy plants of California single, \$2.50 per 100; \$20.00 per 1000. Campbell, No. 1, \$2.50 per 100; \$20.00 per 1000. No. 2, \$1.50 per 100; \$15.00 per 1000. Packed to carry safely, by express.

**CHAS. BLACK, Hightstown, N. J.****Gloire de Lorraine Begonia****2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000****Thomas Roland,  
Nahant, Mass.****CARNATIONS**

Winona, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

**F. DORNER & SONS CO.  
La Fayette, Ind.****JOHN E. HAINES  
Bethlehem, Pa.**Imperial variegated } Per 100 Per 1000  
Pink Imperial, Pink } \$6.00 \$50.00Place your orders early for Jan. delivery.  
Cash with order please**Sturdy Field-Grown Carnations**

1000 Queen, 1500 Fair Maid, 500 Harlowarden, 150 each Enchantress, Rose Pink Enchantress, Lady Bountiful, 250 Roper's Pink Seedling 307, \$6 per 100. \$50 per 1000.

**J. H. PLAYDON, ANDOVER, MASS.****The Roses that Win**

MRS. POTTER PALMER, CARDINAL American Beauty and Other Standard Varieties. Rooted from Our Famous Stock. Send for Prices.

**POEHLMANN BROS. CO.  
Morton Grove, Ill.**





Made up  
plant of  
Kentia  
Forsteriana

## HEACOCK'S PALMS

Order now, you will be sure to want them later.

Our stock consists of strong healthy home grown plants. A visit to our Greenhouses will convince you, 25 minutes from Philadelphia, 50 trains each way every day. Get your orders in early - it pays.

### WHOLESALE PRICE LIST.

ARECA LUTESCENS				Each	Per Doz.	Per 100
6-in. pot, 3 plants to pot, 24 to 26 in. high	....	\$1.00				
7 " " 3 " " 30 to 32 " "	....	2.00				
8 " " 3 " " 36 to 40 " "	....	2.50				
COCOS WEDDELLIANA						\$10.00
2½-in. pot, 5 to 10 in. high	....					15.00
2½ " " 10 to 12 " "	....					
KENTIA BELMOREANA						
5-in. pot, 6 to 7 leaves, 18 in. high	....	\$6.00		50.00		
5 " " " 20 " "	....			9.00		70.00
6 " " " 22 to 24 " "	....	1.00		12.00		
6 " " " 24 to 27 " "	....	1.25		15.00		
6 " " " 26 to 28 " "	....	1.40		18.00		
7 " " " 32 to 34 " "	....	2.50				
7 " " " 36 to 38 " "	....	3.00				
9 in. tub. " 42 to 48 " "	....	5.00				
9 " " " 50 to 60 " "	....	7.50				
KENTIA FORSTERIANA						
6-in. pot, 5 to 6 leaves, 28 to 30 in. high	....	1.00		12.00		
6 " " " 30 to 32 " "	....	1.25		15.00		
6 " " " 34 to 36 " "	....	1.50		18.00		
MADE-UP KENTIA FORSTERIANA						
7-in. pot, 4 plants in pot, 34 to 36 in. high	....	2.50				
7 " " 4 " 36 to 38 " "	....	3.00				
7-in. tub, 4 " 42 to 48 " "	....	5.00				
9 " " 4 " 4 feet high, heavy	....	6.00				
12 " " 4 " " " "	....	15.00				
CIBOTIUM SCHIEDEI						
7-in. pot, 2½ to 3 ft. spread	....	2.00				
9-in. tub, 4 to 5 ft. " "	....	5.00				

All measurements from top of pot.

JOSEPH HEACOCK COMPANY, - - Wyncote, Pa.

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

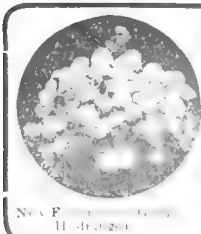
by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubby in Variety, Roses, Clothilde Souper, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price

IN ORDERING GOODS PLEASE MENTION HORTICULTURE.



## HYDRANGEA

(Whorensy)

### GRAND ALBA

A striking novelty for

### FORCING

Straw 10 in. grown 15 in. in 100, \$140

per 100, 10 to 15 in. \$140

per 100, 15 to 20 in. \$200

The Elm City Nurs. Co.

N. HAVEN, CONN.

## BARGAINS in TREES and PLANTS

Six for 1, delivered free by mail List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT, - - - ENGLAND

A Hardy Garden or Border Planted in September Gives the Best Results

We grow strong field-grown plants of

## HERBACEOUS PERENNIALS

in great variety. Illustrated catalogue containing everything for planting the Home Grounds Free upon request.

THE BAY STATE NURSERIES, North Abington, Mass.

Hardy Rhododendrons Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our HOLLAND NURSERIES

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights

P. O. No. 1, Hoboken, N. J.

## CLEARY'S HORTICULTURAL CO.

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction HORTICULTURAL PRODUCTS

of every description.

Consignments Received. Surplus Stock Converted, 62 Vesey St., NEW YORK

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000. 3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind

## Phalaenopsis Stuartiana

Ph. Stuartiana is a native of the Island of Mindanao (Philippines) where it grows at an elevation of a few hundred feet above sea-level. It is nearly allied to Ph. Schilleriana although very distinct in the color of the flowers which is usually a creamy white (some varieties are almost pure white), spotted on the lower half of the inferior sepals and lower half of lip with cinnamon brown. The leaves are dark green mottled with silver-gray. When not in bloom it is hard to distinguish the plants from Ph. Schilleriana; the roots are then the best means of identification as they are much smoother and greener than those of Ph. Schilleriana.

Ph. Stuartiana, like the rest of the Euphalanopsis section to which it belongs, requires warm treatment to grow it well. In winter a night temperature of 60 degrees to 65 degrees with 10 degrees to 15 degrees higher through the day suits it well. During the summer the temperature must be regulated according to the weather, giving plenty of fresh air at all times. The plants must not be allowed to get too dry at any time but in winter they will require very little water if the house is damped down at least once a day as it should be. At this time of the year it is next to impossible to overwater them as they are now growing fast and will be throwing up their flowerspikes shortly.

During the time the plants are developing their flowers, they should not get very dry lest some of the buds will turn yellow and drop off. This applies equally well to all the species of Phalaenopsis. The plants require shade at all times of the year; from the first of September to the first of April ground glass answers the purpose. During the summer months some heavier shade should be used to prevent excessive heat and the leaves from getting yellow. When well grown, Ph. Stuartiana is one of the best of the section to which it belongs. It frequently produces young plants on its



roots which if taken care of will grow fast and flower in a year or two.

*M. J. Ope*

## Horticulture at the Franco-British Exhibition

The great Exhibition at Shepherd's Bush where England and France and their respective colonies are making a very grand display in all the sections of Science, Art and Industry affords a very wide scope of the horticultural skill of the gardeners of both countries. There is a permanent exhibition of horticulture provided for by the committee and some of the very largest of the open spaces in this important show are allowed

to the various exhibitors, most of them well known in their different specialties. Temporary flower shows lasting three days have been provided for and are held in the Palace of Music, a large and commodious building, the dimensions of which were taxed to the uttermost when the last of these temporary shows was held. There are other subjects of interest relative to Horticulture and Agriculture in the buildings devoted to

those sections but our present purpose is to give just a few notes on the most salient forces of the permanent or outdoor displays.

Having made numerous visits during the summer for the purpose of keeping one of our French contemporaries fully posted up in what has been done, these notes must be taken to include much that we have seen at different periods during the summer and not the general aspect of the gardens at any one time. Otherwise we should probably miss exhibits that were past their best or else not yet in flower.

On entering the Exhibition we pass through the Court of Honor with its handsome cascade which somewhat reminds us of the one we saw in the Champ de Mars at the great Paris International Exposition of 1900. Just behind, in a large open space formed by the Palace of French Applied Arts, the Palace of British Applied Arts, the Palace of Women's Work and the Palace of Music is arranged what are known as the Court Gardens. Apart from the general aspect of tree planting, band stand and auditorium, these gardens consist mainly of an immense display by J. Carter & Sons arranged on a series of grass lawns of various shapes, and two large exhibits by Sutton & Sons to the right and left of Carter's.

These two well-known firms have each contributed a show of their own and we can scarcely hope within the narrow scope of a newspaper article to give anything like an approximate idea of the many plants and flowers displayed or of the general effect which is well worthy of the best traditions of British horticulture. It is a handsome display of open air gardening *par excellence*.

As we wander around the many beds and borders filled by Carters we notice here and there ornamental shrubs, etc., at intervals, the graceful foliage of which helps materially to lend a charm to the many brilliantly flowering subjects beneath. Phoenix Canariensis, Acer atropurpureum, Buxus Japonica aurea, Thuja Lobbii, Osmanthus ilicifolius, Taxus baccata, Cupressus macrocarpa lutea, and many others are helpful in this respect.

Among the flower beds whose name is legion we find instances of many forms, scrolls, circles, crescents and serpentine beds of all sorts and sizes. These are filled with great taste with such things as Petunia Emperor, Viola purple, Viola Carter's White, Pansy International Prize, Petunia Crimson King, Lobelia Queen Victoria, etc. Zonal pelargoniums are bedded out freely. The old and showy Henri Jacquet is well to the front. King of Denmark, a double salmon; E. V. Raspail, a bright double scarlet; Mrs. Pollock, golden tricolor; Lady Chesterfield, West Begonia, Gem, Edward VII with others add to the color of the whole display. Fuchsias, marguerites, and other flowers with edgings and borders too numerous to mention complete the display.

Sutton & Sons have two large lawns wired in with a high netting. Both are identical in design and are each 145 feet long and 25 feet wide. Around each lawn, except on the right hand side, is an immense border of good width with

front end is a small bed composed of carpet bedding with the word "Sutton" boldly standing out and separated from the main lawn by a gravel path. We start from this point and the first thing to attract our attention is a large circular bed filled with Giant Pink verbenas, edged with blue lobelia. Another of Perfection stocks is edged with blue lobelia and a front row of golden pyrethrum. Begonia Crimson Bedder is also freely used. Another round bed at the corner contains Sweet William, Sutton's Scarlet. In the long border following on are petunias and pansies in varieties. At intervals various palms and ornamental foliage plants. Further on a bed of Sutton's petunia Superb, and others containing petunias of every shade and Pansy Sutton's Perfection. Far away on the extreme right hand side of the Court Gardens is another bed similar in form, size and planting.

The other floral displays in the Court Gardens are just ordinary beds filled with plants by the Exhibition authorities and call for no special remark.

Chasman Payne

## Notes from the Arnold Arboretum

One of the latest trees or shrubs to bloom is *Aralia spinosa* which now stands adorned with its conspicuous large and loose panicles of small whitish flowers borne at the end of the stems above the big compound leaves, and if the season is favorable the flowers are followed late in fall by small black berries. It is chiefly planted for its very large handsome foliage borne at the top of the not or very little branched spiny stems and imparting to the tree a subtropical effect. This *Aralia* is not perfectly hardy here, but will stand ordinary winters, and if the stems are killed back, it will spring up from the roots again; in fact it becomes sometimes troublesome on account of its suckering habit.

Another closely related tree, the Japanese *Acanthopanax* or *Kalopanax ricinifolium* is flowering for the first time at the Arboretum. It has proved perfectly hardy and has attained the size of a small tree with spiny stems and branches and handsome large palmately lobed leaves. It is to be recommended for its handsome foliage which combined with its habit gives the tree an exotic appearance very different from any North American tree. Its flower clusters are similar to those of *Aralia spinosa* but smaller.

Besides the species mentioned in the last issue some other *Euonymus* are conspicuous by the pink or pinkish color of their capsules which, however, have not yet burst open and disclosed their scarlet seeds: these are *Euonymus europaeus*, *E. Sieboldianus* and *E. Hamiltonianus*, all large shrubs, the first of more upright habit and the two last-named broad and spreading. *E. alatus* is also present which always bears abundant

fruits has them still nearly and the low and evergreen *E. radicans* quite green.

Of the Magnolias only the shrubby *Magnolia glauca* has as yet opened its pods and disclosed its scarlet seeds which hang on slender threads from the fruits. *Magnolia tripetala* has its conical pink fruits not yet open, neither has *M. Fraseri* with similar but more brightly colored fruits, nor *Magnolia acuminata* with smaller and often curved fruits. The thick ovoid fruits of *M. macrophylla* have not yet fully assumed their final pink color.

The native *Celastrus scandens* has its capsules still closed, but already colored yellow; they are borne in short panicles at the end of the branchlets, while in the Japanese *C. orbiculata* the capsules are still green and borne in small clusters along the branchlets. They will not burst open and disclose their scarlet seeds until the middle of next month.

The fruits of many of the Barberries are now assuming their scarlet or purple color, as are those of the common Barberry, *Berberis vulgaris* and the allied *B. canadensis*, *B. amurensis* and *B. Regeliana* (*B. vulgaris* var. *japonica*). Also the fruits of *B. Thunbergii* are becoming brightly colored and those of *B. diaphana* which has fruits similar to those of the preceding species, but of a peculiar conical shape.

The berry-like fruits of the Spicebush, *Benzoin aestivale*, though of a bright scarlet color are not abundant enough, and moreover, partly hidden by the foliage, to be very effective.

The fruits of the Flowering Dogwood, *Cornus florida*, are assuming their scarlet color, but only a small percentage of the trees in the Arboretum are well studded with fruits.

Of the Viburnums not yet mentioned the nodding fruiting clusters of *Viburnum Lentago* have now their fruits partly colored bluish black, but most of them retain still their greenish color usually brightened by a red cheek. *Viburnum acerifolium* is covered with numerous clusters of bluish black fruits.

*Panax sessiliflorum* is studded all over with heavy head-like clusters of dull black berry-like fruits which, though not very showy, form a prominent feature of the shrub. One of the plants of this species at the Arboretum is now in full bloom, but the greenish and dull purplish heads of flowers are not very showy.

Some of the varieties of *Malus baccata* are attractive with their abundance of cherry- or pea-sized fruits already brightly colored red or yellow, though they are not yet fully ripe.

The branches of *Rosa carolina* and of the smaller *R. infectoria* are thickly studded with black berry-like fruits, while those of the Siberian *R. dahurica* still retain their green color.

*Alfred Rehder.*

## British Horticulture

SOME SHOW NOVELTIES

At a recent meeting of the Royal Horticultural Society in London a bunch of interesting new introductions received awards of merit. Messrs. Kelway & Son, who have done so much to improve the gladiolus had two novelties from their extensive collection. These were Gladiolus Golden Measure, an attractive yellow and G. White Cloud, of a creamy white shade. Dahlias were, of course, well to the fore. Messrs. Stredwick & Son, who won the trade championship at the recent National show, had a meritorious new comer. This was Dahlia Marathon, a cactus variety, with rose and fawn florets, on a yellow base. Tom Jones, a show variety with rose pink florets on a ground color of creamy yellow, was shown by S. Mortimer. Messrs. R. Wallace & Co. showed Kniphofia R. Wilson Ker, of a brilliant scarlet hue, and Gladiolus primulinus hybrids, a new introduction, the result of crossing G. primulinus and G. Gandavensis. H. B. May & Sons of Edmonton, who usually have something notable in the fern line to exhibit, showed a useful specimen from New Zealand, Pteris aquilina Nicholsonii, which is evidently very serviceable as a basket plant. Tritoma Hereward, of an orange-yellow tint, and T. Norvie, also of a yellow shade, found many admirers, these being from Major Petre, of Westwick, Norwich. Gunn & Sons, of Olton, were represented by two excellent exhibits, Phlox Freifraulein Von Lassberg, a pure white variety, and P. Violet, another welcome addition.

*W. H. Adsett.*

## A Conservatory View

Our cover illustration this week shows a pleasing interior view of the palm house on the estate of D. G. Reid, at Irvington, N. Y., presided over by A. W. Goldring as gardener. This house is a fine example of the Lord & Burnham construction. The many large conservatory ranges which have been erected on private estates of late, with imposing lofty central palm houses, have opened up a good demand for palms and tropical plants of large size and furnished the needed incentive for commercial growers to raise fine material, thus making a double demand on the expert plantsman, first in the commercial growing establishment and then in the conservatories where these products eventually find their home and where, also, plenty of opportunity is afforded not only for cultivation abilities but for the display of skill and taste in arrangement. The latter qualification is unfortunately often lacking, as any one who has occasion to visit one of these places will quickly find out.

# **HORTICULTURE**

VOL. VIII

SEPTEMBER 19, 1908

NO. 12

PUBLISHED WEEKLY BY

**HORTICULTURE PUBLISHING CO.**
**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## **SUBSCRIPTION PRICE**

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## **ADVERTISING RATES**

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows.

One month (4 times) 5 per cent., three months (13 times) 10 per cent.:

six months (26 times) 20 per cent., one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston under the Act of Congress of March 3, 1879. M

## **CONTENTS**

	Page
COVER DESIGN—A Conservatory View.	
PHALAENOPSIS STUARTIANA—M. J. Pope—Illustrated	377
HORTICULTURE AT THE FRANCO BRITISH EXPOSITION—C. Harman Payne	377
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder	378
BRITISH HORTICULTURE—W. H. Adsett	379
A CONSERVATORY VIEW	379
DURING RECESS:	
New York and New Jersey Association of Plant Growers—Illustrated	381
NEWS OF THE CLUBS AND SOCIETIES:	
The National Flower Show—Schwaben Volksfest	381
New York Florists' Club—Nassau County Horticultural Society—St. Louis Florist Club—New Bedford Horticultural Society	382
Massachusetts Horticultural Society—Gardeners' and Florists' Club of Boston	383
Society of American Florists—Pennsylvania Horticultural Society—New England Dahlia Society—Newport Horticultural Society—Connecticut Horticultural Society—Club and Society Notes	384
OBITUARY—Emil Johansen, Portrait—Charles E. Richardson—William Butcher, Portrait—Mrs. T. D. Hatfield—Henry Regan—A. Pinoteau	386
SEED TRADE	388
THE TRADE OUTLOOK:	
Some Chicago Views	391
FLOWER MARKET REPORTS:	
Boston, Chicago, Detroit, New York, Philadelphia, Washington	393
MISCELLANEOUS:	
A Wide-awake Subscriber	381
Bulb Notes	385
Chrysanthemum Notes	386
Publications Received	388
Catalogues Received	389
Personal	390
Steamer Departures	390
Coming Events	391
New Retail Flower Stores	391
Fairs and Neighborhood Shows	391
Philadelphia Notes	393
News Notes	393, 395, 401
Business Changes	395
Greenhouses Building or Contemplated	402
New Heating Apparatus	402
List of Patents	402

## **Enlisting the sympathy of the retailer**

Of presidents and secretaries and committeemen there are many varieties. Occasionally we find one who lives and thinks years in advance of his lagging constituents.

Ten or twenty years hence the rank and file may grow up to esteem that which he utterly fails to interest them in today. But if the period of his incumbency is to be "the best ever" he must relax from his standards and be content to limit his leadership to the capacity of his available constituency to follow him. It will probably be unanimously agreed to that the toughest problem any florists' organization ever tackled was how to enlist the interest and loyal support of the men engaged in the retail store business. Individual exceptions may be cited but if the universal key for the solution of this question has ever been found it has not become public property thus far. We read that it is proposed in the Buffalo Florists' Club to take up the subject of harmony in colors. Now, if this topic is of value to anybody it is to the retail florist who presumes to handle colors for decorative purposes in such manner as to appeal to the most refined and critical people. The men and women to whom pre-eminence in this direction means so much *ought* to show up. But will they?

## **Where development is most needed**

We hope that the effort about to be made by the Horticultural Society of New York to induce the public exhibition of floral decorative work by the retail trade of the metropolis will meet with abundant success. The leading florists of New York have in their employ some very clever workers but outside of a few circles there and in other localities throughout the country it is only rarely that we come across evidence of superiority in the art of flower arrangement. The great preponderance of the design and decorative work seen is anything but convincing as to the artistic ability of the workman and it must be generally admitted by those who have been on the ground long enough to observe and form an opinion that the art of flower growing has advanced much more rapidly than that of flower arrangement. In fact, the principal difference to be noted between the design work of today and that of a generation ago is the better quality of the material used. The literature devoted to this decorative end of business is woefully deficient in quality and recent additions to it present practically nothing different from what the ordinary florist of a generation ago knew and its perusal is calculated to give a chill to anyone who approaches it with a desire for artistic light.

## **The work and influence of the Club and Society**

As indicated in our reports from various sources activity in clubs and societies is being resumed and vigorous policies are being proclaimed by club officials with a view to making the coming year in their respective organizations "the best ever." This is all a very simple matter, both in attainment and easily achieved on





NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS

## During Recess

### The New York and New Jersey Association Gives a Clambake.

The announcement that this Association would give an outing and clambake at Duer's Pavilion, Whitestone Landing, on Tuesday, September 15, was the cause of much joy and enthusiasm and probably occasioned the breaking of more than one Sept. 1st good resolution concerning picnics and holidays, for the Association had already given one outing and the fortunate guests knew what to expect.

The affair came off in glorious shape. The weather was grand and Duer proved himself to be a master of the catering art and the hundred and twenty-five guests, more than half of whom were ladies, had the time of their lives. In the intervals between repasts there was bowling, shooting and dancing and the only incident to mar the day's enjoyment was a bad bruise of one of Paul Dailedouze's fingers which got caught between the balls on the rack while he was bowling. Special cars took the party from Long Island City at 10.33 A. M. and the return was made about 10 P. M. Anton Schultheis presided at the various feasts with characteristic alertness and A. L. Miller superintended with tireless energy the various other events, and the band was always ready to do a stunt when called upon.

About forty participated in the bowling which was a 5-frame individual game. The leading scores were W. W. Burnham 90, W. J. Elliott 86, Paul Dailedouze 84 and Demmerer 82. Following the gentlemen 42 ladies took possession of the alleys. Mrs. Wittmann with 71, Miss Brodsky 63, Mrs. Schoelzel 61 and Mrs. Schultheis 57 were the leaders.

In the evening after the clambake

the bowling prizes were distributed by Mr. Miller amid great hilarity and speeches were made by Toastmaster Schultheis, Julius Roehrs, J. Austin Shaw, W. J. Stewart, H. C. Steinhoff, W. J. Elliott, John Birnie, W. H. Siebrecht, Jr., A. L. Miller and others. A stein with compliments of A. H. Hews & Co., and a miniature flower pot ornament from the Whilldin Company were given to each guest and Miss Mills of the Hinode Nursery donated a big display of flowers for the table for which a vociferous vote of thanks was recorded.

### THE NATIONAL FLOWER SHOW.

Several special premiums have been offered since the publication of the preliminary premium list for the National Flower Show. Through Charles H. Totty of Madison, New Jersey, Mr. W. Wells of Merstham, England, offers a gold, silver and a bronze medal for six flowers of the "W. M. Moir" chrysanthemum, to be shown in one vase on stems 2 1-2 feet long.

J. A. Peterson offers for the best five plants of "Begonia Agatha," \$25.

The S. S. Pennock-Meehan Co., Philadelphia, offers a cup for the best bridal bouquet of which the main features shall be lily of the valley and white orchids or all lily of the valley, with the usual shower trimmings, ribbon, etc.

It is urgently requested that all firms and individuals who contemplate offering special premiums communicate at once with the secretary in order that their offers may be included in the final issue of the premium list which will go to press in about two weeks.

It is requested by the premium committee that any new special premiums be offered for classes which appear in the premium list already published, rather than for a new class.

J. H. BURDETTE, Sec'y.

### THE SCHWABEN VOLKSFEST.

This annual exhibition, always a great event for the florists of the neighborhood, opened on September 5 at the Schutzen Park, Glendale, Long Island, N. Y. The displays were very fine this year. John Baumann of Middle Village won first and John Dreyer, second prize, for carpet bedding. Mr. Dreyer received a special prize for a miniature residence. Other awards were as follows: Group of golden privet, Herman Maenner, Maspeth, first; A. Schrader, Elmhurst, second. Group of cannas, Chas. Koch, Flatbush. Celosias, F. Marquardt, Middle Village. Coleus, Chas. Koch; Salvias, ditto; Begonias, ditto; Foliage plants, John Baumann; Conifers, A. Schrader. General display of cut flowers, Abram Miller, East New York, first; Victor Dorval, Woodside, second. Bulbs and seeds, Stumpp & Walter Company, New York. Special vegetable prize, H. Boettger, Middle Village. F. Marquardt, as usual, put up a grand general display.

The judges were: A. Schultheis, John Donaldson and C. Woerner.

### A WIDE AWAKE SUBURB.

Hinsdale, just outside of Chicago, is alive to the question of knowing how to keep itself beautiful. The Womans' Club has taken upon itself the care of the parkways and public flower beds. Hinsdale has also a Village League to interest and instruct its citizens in the care of its trees. Last week these two organizations had Prof. Roth, head of the Forestry Dept., Ann Arbor, Mich., to lecture on the growth and care of trees, and Jens Jensen, superintendent of West Side Parks to lecture on streets and parkways. The speakers were entertained by C. L. Washburn, who takes a lively interest in practical village improvements along these lines.

# NEWS OF THE CLUBS AND SOCIETIES.

## NEW YORK FLORISTS' CLUB.

It was an attendance big enough and enthusiastic enough to cheer any club president's heart which President Weathered faced on Monday evening, 14th inst., at the opening session of the New York Florists' Club for the fall season. There were about seventy members present. The various standing and special committees presented interesting reports: Patrick O'Mara for the transportation committee, to the effect that the Niagara Falls excursion had been delightful in every way and all parties well pleased; Joseph A. Manda for the house committee, who had done such good service in feeding and entertaining the excursionists; W. E. Marshall for the outing committee, showing that a substantial surplus had been left after paying all expenses; John Birnie for the committee on death of James Shanley, presenting resolutions of condolence, and the same gentleman for the entertainment committee, stating that at the October meeting Antoine Wintzer of West Grove, Pa., would give a talk on clematises and other hardy vines and shrubs for decorative garden work. All these reports were satisfactorily disposed of and the workers thanked. A communication from Secretary Fraser of the Chrysanthemum Society of America, suggesting a plan of affiliation between the two organizations, was referred to the trustees.

Benjamin Hammond of Fishkill then proceeded to address the meeting as promised, on some of his experiences in the school garden work. Mr. Hammond is always eloquent and interesting on this subject to which he has given so much of his time and thought for so many years. He told of the effect on the children and the community of the introduction of garden work into the Fishkill schools and enlarged upon the good influence upon the growing generation of an early stimulation in the love for nature and the benefits to come directly to the horticultural profession from an encouragement of the work. Mr. Hammond received a hearty vote of thanks.

F. R. Pierson being called upon, told of the arrangements being made by the Horticultural Society of New York for a fall show to be held November 17 to 20 at the Museum of Art. An attempt is to be made to get the retail florist trade interested by the offering of diplomas for such exhibits as bridal, shower and debutante bouquets, canopies, table decorations, etc., and the late date would afford an opportunity to see varieties of chrysanthemums not usually seen on the exhibition table. The schedule, which will be a liberal one, will be ready about Oct. 1. The exhibition will be free to the public. Mr. Pierson expressed the earnest hope that the horticultural profession will display abundant horticultural patriotism on this occasion and do their part to demonstrate that a successful flower show can be given in New York.

Talks on the recent Niagara Falls Convention were then indulged in. President Traendly told of his gratitude for the large delegation from his home section and his pleasure at the

interest displayed in the sessions of the Society, and hoped that all would come down to his home and see the silver ware presented to him in operation. Patrick O'Mara followed with some characteristic reminiscences and concluded by saying that the convention had left a very good taste in everybody's mouth. Next came the howling contingent, who displayed the Mitchell trophy which had been won by the New York team and expressed through J. A. Manda their hope that increased interest might be developed locally in this sport during the year to come.

One of the most interesting talks ever given before the club was then made by Chas. H. Totty, who was called upon to tell something of what he had seen on his recent visit to England. Referring to the many flowers placed on board ship by the friends of tourists, he said that the flower which kept longest was rose Killarney and the American Beauty came next. He described England as one beautiful garden. Kew Gardens and Hampton Court had impressed him most strongly. The finest thing he had seen in the bedding plant line was scarlet geranium Paul Crambel. He gave very interesting reminiscences of the great Shrewsbury Show.

Committees were appointed on the death of Alexander Wallace, consisting of Messrs. Shaw, Faulkner and Stewart, and on the death of A. David Rose, consisting of Messrs. Sheridan, Burnham and Young. Also the committee to nominate officers for next year.

On the exhibition tables were a vase of dahlias from Fred Hollander, Ozone Park, which was given a vote of thanks, Gladiolus America from J. Lewis Childs, which was awarded a certificate of merit, and vases of Dahlias Kaiserin Augusta Victoria and Fire Rain from A. L. Miller which received vote of thanks.

## NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the society was held on the 9th inst., President Jaenicke in the chair. A letter was read from President Roosevelt accepting election as an honorary member. Walter Shaw and W. A. Finger accepted appointments as judges at the dahlia show. Special prizes for the fall show were offered by several individuals and by Rickards Bros., J. Roehrs Co., and J. F. H. Matz. A letter from the Chrysanthemum Society of America inviting the society to become associated with it was presented and after discussion laid over. The awards for the monthly competition were as follows: George Wilson, onions, 88; H. F. Meyer, egg plant, 81. Valentine Cleres, sedum, 78. Honorable mention, V. Cleres, gladioli; J. Roehrs Co., orchids; Geo. Wilson, double dahlias. S. Drombrowski, single dahlias; J. Drombrowski, squash and celery; W. Fleischer, roses, tomatoes, helianthus. Brief talks were given by Messrs. Roehrs, S. Drombrowski and Mr. Mackenzie, gardener to Mr. Wilson, on their methods used in cultivating their respective exhibits.

JAS. KESSON, Rec. Sec.

## ST. LOUIS FLORIST CLUB.

The members of the club on Thursday afternoon, Sept. 10, journeyed over to Edwardsville, Ill., fifty strong, to hold their meeting with J. F. Ammann. Mr. Ammann and his foreman, Mr. Blixen, took the party through the houses, which comprise nearly 50,000 feet of glass, where were seen some fine benches of Rhea Reid, Alice Roosevelt, Ivory, Killarney and Perle. The carnation houses were in fine shape and it was voted the best kept range in the state. The meeting was then called to order by President Young. After the routine business was disposed of, J. J. Beneke and C. T. Sanders were called upon to install the new officers: President, W. C. Young; vice-president, Edwin Denker; secretary, A. J. Bentzen; trustee, Henry C. Ostertag. Treasurer-elect F. H. Weber not having returned from his trip abroad will be installed at the next meeting. President Young on taking the chair read an interesting paper and requested W. C. Smith to prepare a paper for the next meeting on "What way socially can the members be brought closer together." A discussion followed on the advisability of holding evening meetings every other month, and the matter was referred to the trustees for report in October. Mr. and Mrs. Ammann were presented with a handsome cut glass water set, J. J. Beneke making the presentation speech. Mr. Ammann accepted the gift in a few well pointed words. The meeting then adjourned and refreshments were served. After enjoying the abundant spread and returning thanks to the host and hostess the party started for home, feeling that a pleasant and profitable afternoon had been spent.

## NEW BEDFORD HORTICULTURAL SOCIETY.

In spite of the advertising the society received through its successful free show last year, the show which was held on the tenth, eleventh and twelfth instants was not an unqualified success, and did not receive the support and patronage hoped for. The hall itself was lacking in decorative features there being less than the usual number of palms and groups for effect. Exhibits of plants and flowers, other than dahlias and groups of palms, ferns, etc., exhibited by two local men were conspicuous by their absence. The exhibits of dahlias were of good quality and were mainly by commercial growers. There was a fine display of gladioli by local growers and also by John Lewis Childs. James Garthley captured a silver medal for best display of not less than 50 spikes. Also first premium for 12 blooms. Mrs. A. J. Jahn taking second premium. Three silver cups awarded by the society were captured as follows: Mrs. Geo. A. Fuller for 25 distinct varieties of show dahlias, Wm. F. Turner & Co. for 50 cactus dahlias of not less than 40 distinct varieties, and Mrs. A. J. Jahn for a vase of 40 dahlias in variety. First premiums were awarded to James Garthley and to Wm. Keith for groups of palms, ferns, etc.

THOMAS WHITE.

**U KNOW US****LET'S KNOW U****IMPORTANT NOTICE****EXTRAORDINARY PRICE REDUCTION  
IMMORTELLS \$12.00 Per Hundred BUNCHES.**

Just secured a large quantity of **BEST FRENCH IMMORTELLS** at a very low figure.

Having already bought a large stock earlier in the season, it required lots of nerve and money to close this deal. We had both. We were first in the field — Always are — being **LEADERS**. This transaction demonstrates clearly that **WE ARE LEADERS** and are recognized as such by both Buyers and Sellers.

**Having secured these goods which are of the finest quality, at a remarkably low price, we are going to give you the benefit of this transaction and offer them to you now, in original case lots at**

**TWELVE DOLLARS PER HUNDRED BUNCHES**

All orders placed with us for future delivery, no matter at what price will be invoiced at the low figure of \$12.00 per hundred bunches until further notice.

All your orders best cared for by **M. RICE & CO.** Your Interests always protected by **U.S.**

**The Leading  
FLORISTS' SUPPLY HOUSE  
and RIBBON SPECIALISTS**

**RIBBONS**

**M. RICE & CO**  
Importers and Manufacturers  
1220 Race St. - Philadelphia, Pa.

**MASSACHUSETTS HORTICULTURAL SOCIETY.**

The autumn exhibition, which was held on September 11, 12 and 13, was a surprise in the quantity and notable quality of the dahlias shown. Especially was this true of the remarkable exhibit by R. & J. Farquhar & Co., said to have contained 20,000 blooms. It was arranged in a sort of parterre with formal lines and scroll work in which the colors were contrasted and blended in an artistic pattern, and relieved by vases and clusters of a single color, palms and foliage plants. It was a most sensational innovation and attracted the public accordingly. Among the varieties especially prominent were Chas. Lanier, Semiramis, Queen Wilhelmina, Hollandia and other gems of recent introduction in all the classes.

Other dahlia exhibitors were the well-known specialists, J. K. Alexander, who staged about 750 blooms of superb quality, W. H. Symonds with 400, W. D. Hathaway, Mrs. H. A. Jahn, Towle's Dahlia Gardens, Dorchester Dahlia Gardens, F. L. Tinkham and W. C. Winter. Altogether these enthusiastic dahlia lovers put up a show of unprecedented extent and interest, and the public took full advantage of the opportunity to admire and learn.

H. A. Dreer showed a tank of fine aquatics, including Victoria Regia, many rare and beautiful nymphaeas, nelumbiums and papyrus. Very extensive collections of hardy border plants were staged by Blue Hill Nursery and Harvard Botanic Garden, a group of cockscombs from the latter attracting especial admiration. A very

comprehensive display of garden material was also contributed by Wm. Whitman, gardener Martin Sullivan, and the Bellevue Greenhouses were represented by a particularly attractive and instructive collection in the same line.

F. W. Fletcher showed a large bunch of the new early-flowering single violet Baronne Rothschild, which appears to be about a month earlier in blooming than the usual sorts. The display of hothouse grapes from Mrs. J. C. Whitin, gardener George McWilliam, was a most luscious one, including Madrasville Court, Mrs. Prince, Gros Guillaume, Lady Downs, Black Allicante and Muscat of Alexandria. Of fruits and vegetables the display was fully up to the traditions of this Society in its autumn shows.

The prize list was a long one. Among the special awards were the following: The W. W. Rawson silver cup for largest collection of cactus dahlias exhibited by a private gardener was won by W. A. Riggs; Peirce Bros., certificate of merit for chrysanthemum Golden Glow; L. W. Goodell, certificate of merit for collection of verbenas; honorable mention to H. A. Dreer for aquatic plants; F. W. Fletcher for Marguerite asters, for Violet Baronne Rothschild, and for Physostegia virginica var. grandiflora.

The West Virginia Horticultural Association met at Romney, W. Va., on September 3 and 4. Dr. W. M. Munson and J. H. Stewart of Morgantown, S. W. Moore of Elwell, and H. W. Miller of Paw Paw were among the speakers.

**GARDENERS' AND FLORISTS' CLUB OF BOSTON.**

The first meeting of this club for the fall season of 1908 was held at Horticultural Hall on Tuesday evening, September 15, about 75 members being in attendance. Resolutions of condolence and sympathy on the death of two members of the club, W. W. Rawson and Emil Johansen, were adopted, several members making remarks in eulogy of these useful men.

Interesting vacation reminiscences were given by Kenneth Finlayson and M. A. Patten, the former telling about the gardens and natural beauties of Bar Harbor and the hospitable welcome extended there, and the latter describing vividly the attractions of the Niagara Falls Convention and mildly criticising the local members for their absence from the convention. Mr. Butterworth told of what he had seen in London and other European cities and the bulb growing districts of Holland. Robert Cameron and W. N. Craig added their testimony to that of Mr. Finlayson regarding their trip to Bar Harbor, and Mr. Cameron, who had extended his visit to Nova Scotia, spoke glowingly of the horticultural progress he had noted there. Vice-president Downs recapitulated the pleasant outing enjoyed by about twenty-five members at Amherst and expressed grateful appreciation of the courtesies extended by the College officials.

On the exhibition table were violets and daisies from F. W. Fletcher and orchids from Duncan Finlayson

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICUL- TURISTS.

## No Trade Exhibition.

It was suggested to the National Flower Show sub-committee on local management that a trade exhibition of supplies, heating and ventilating apparatus, greenhouse construction materials, etc., would interest many trade visitors at the November show, and accordingly on August 29th letters, enclosing postal cards for reply, were addressed to ninety-five exhibitors at previous trade exhibitions, held in connection with the annual conventions of the Society of American Florists. Forty-four replies were received up to September 7, inclusive. Thirteen of the replies were in favor of such a trade exhibition, eighteen opposed to it and thirteen undecided. The sub-committee, at a meeting held September 7, therefore decided not to take up the project. J. C. VAUGHAN,

Ch. Local Management Committee.

# PENNSYLVANIA HORTICULTURAL SOCIETY.

Perennial phloxes, asters and dahlias were conspicuous at the monthly meeting of this society held on the 15th inst. C. B. Newbold—Thomas Logan, sup't—had a collection of fine phloxes, including Albion, Le Soleil, Pantheon, Bacchante, Colibri, Mrs. Jenkins, Obergartner Wittig, Genl. Chanzy, Independence, B. Comte, Artaxarxes and other Lemoine introductions. Robert Schneider, gardener for Mrs. J. J. Henry, showed a fine collection of dahlias. Queen Wilhelmina, a new white, was much admired. The Paul collection of asters was very fine. Mr. Hurley deserves great credit for these. Mauve Queen and Semple's were especially fine. W. H. Ritter, an amateur, deserves a word of praise for his seedling petunias, showing unusual skill and culture.

In addition to the Hemming talk on perennials, L. K. Peacock had something to say about dahlias, of which he put up an excellent show. The vegetable exhibit was extensive and interesting. McLeary had the old-fashioned Vegetable Marrow displayed in his lot, while Hurley had the English Broad Beans, and Logan Scarlet Runners and Jerusalem Artichokes. The October meeting will be devoted chiefly to cosmos and early chrysanthemums.

# NEW ENGLAND DAHLIA SOCIETY.

As we go to press the dahlia exhibition under the auspices of this Society at Tremont Temple is just opening and exhibits are not all in place but the show is an excellent one and most creditable to its promoters. The exhibits are confined practically to dahlias, a few bay trees and oak branches with some festooning and a group of Wilburian fern furnishing the green for a setting, and all classes of dahlias are well represented. Among the most attractive things are Dreer's White, a superb flower, of which a large vase is shown by H. A. Dreer; Epopee, a carmine cactus, William Taft, a white and pink striped Decorative and Stradella, a purple crimson Show, in the magnificent display by J. K. Alexander; a splendid collection

of all classes from George H. Walker and a vase of Forbes' production, Ruth Forbes, pink Decorative, shown by W. F. Turner & Co., who, by the way, have one of the best displays of well grown Cactus dahlias ever staged. Among the visitors seen at the show are: H. F. Burt, Taunton; W. Keith, New Bedford; Alex. MacLellan, James Robertson and E. S. Manuel of Newport, and W. C. Brady of Holliston.

# NEWPORT HORTICULTURAL SO- CIETY.

The annual exhibition of this Society was held on September 12, 13 and 14. The show this year was far ahead of those of the past few years, both in size and beauty of exhibits. Dahlias were largely represented and made the finest effect ever seen here. Greenhouse and garden flowers, plants, ferns and vegetables from the summer estates of Mrs. Robert Goelet, Mrs. Winthrop Chanler, R. Livingston Beeckman, Hon. Perry Belmont, Mrs. T. O. Richardson, Daniel B. Fearing, Mrs. I. T. Burden, Hugh D. Auchinclos and Miss Fanny Foster were the principal winners in the various classes.

Table decorations were the most attractive feature of the show. Competition was divided into three classes, the awards being made in the following manner:

Class 34.—For the best table decoration of any kind of flowers or foliage. One of the essential points in this class which was carefully considered by the judges was the element of originality shown. Oscar Schultz was the only competitor and his table was considered well worthy of the first prize. The arrangement was in the form of a bower covered overhead with green and sprays of clematis, while from the peak hung a basket of salvia.

Class 35 was for the best table decoration of any material such as plants, flowers or fruit or along with articles such as silver or glassware for a prize offered by Miss Alice Keteltas. In this class there were two exhibits, one by Mrs. William Astor and the other by F. L. Ziegler. Mrs. Astor's table, arranged by James Boyd, gardener, was accorded first prize. It was an elaborate affair including a heavy gilt service of high candelabra, fruit dishes and heavy glass ware. The table was set with a full equipment of silver plates and glass with finger bowls, each with a gardenia. There were no flowers but an artistic arrangement of Farleyense in the centre. Mr. Ziegler's table, which was given the second prize, showed a centre piece of yellow dahlias of several varieties, the table being set with yellow ribbons and silver service.

In class 36 for the best table decorated with outdoor grown flowers or foliage, dahlias and roses excluded, there were two tables shown, one by Mrs. Winthrop Chandler, William G. Postings, gardener, and the other by Oscar Schultz. Mrs. Chandler took the first prize, her table having a centre-piece of the new Delphinium "Ocean Lawn." Mr. Schultz received the second prize and showed a centre-piece of red gladiolus flowers with sprays of clematis. Both tables as in the other classes were set with a handsome silver service.

# CONNECTICUT HORTICULTURAL SOCIETY.

The regular meeting of this society was held in the county building, Hartford, Sept. 14. Reports of the various committees were heard and the final arrangements concluded for the Dahlia Exhibition of Sept. 23. A fine display of asters was tabled by John Gerard, New Britain, who gave an instructive talk on their culture and history. President Huss gave a very interesting account of his recent vacation tour through Europe.

A. CUMMING, JR.

## CLUB AND SOCIETY NOTES.

The market gardeners of Grand Rapids, Mich., have organized and on September 5 elected the following officers: President, L. D. Davis; vice-president, R. Yonkers; secretary, F. DeKleine.

The New Haven County, Conn., Horticultural Society at its meeting on September 1 had beautiful displays by Messrs. Slocum, Beattie, Symon, Bruce, Allison and Moore. The coming show was discussed and the prospects are that it will surpass anything before attempted by this society.

The Albany Florists' Club (N. Y.) met with F. A. Danker on September 3. The chief business was the decision to have printed 10,000 copies of the circular on the care of plants, for distribution by the members among their customers. W. W. Hannell's invitation to a birthday party on the 20th was accepted.

The preliminary program of the international horticultural exhibition at Berlin on April 2-13, has been sent out. Over 700 classes are represented in the schedule. W. Swoboda, of J. C. Schmidt, Berlin, is president of the council. Particulars can be obtained from the General Secretary's office, Invalidenstrasse, 42, Berlin, N. 4, Germany.

Two large tables of gloxinias contributed by George McWilliam, cannas by E. W. Breed and A. J. Marble, chrysanthemum Golden Glow by H. F. A. Lange and dahlias by M. F. Kelsey were the leading features of the show of the Worcester County (Mass.) Horticultural Society on September 10. Mr. McWilliam resumed his duties of judge for the first time since his return from his trip abroad.

## RESULT OF ADVERTISING A GOOD THING IN A GOOD PAPER.

### Beechwood Cemetery Company.

Ottawa, Can., Aug. 22, 1907.  
Bostrom-Brady Mfg. Co., Atlanta, Ga.:

Gentlemen:—The Level arrived all O. K. Tuesday. We are all well pleased with the instrument. Enclosed you will please find express money order for amount of bill. Kindly send receipt for same, and oblige.

Yours very truly,

W. CRAIG, Asst. Sec'y.

### The Jewell Nursery Co.

Lake City, Minn., May 7, 1908.

Bostrom-Brady Mfg. Co., Atlanta, Ga.:

Gentlemen:—Your leveling instrument is received and in every way is satisfactory.

Yours very truly,

THE JEWELL NURSERY CO.

Dict. J. M. UNDERWOOD, Pres.



# DREER'S Hardy Phloxes

We can say without fear of contradiction that we are the **Largest Growers of Hardy Phlox in the World** and our collection embraces every known color in this gorgeous race of summer flowering plants. You are behind the times if you cannot offer your customers the **Newer Colors and Varieties** which are now so popular. Our stock was never in finer or healthier condition, and whether your wants are large or small, we are able to meet your requirements. If you have not received a copy of our **Special Offer**, write us today and we will mail you a list. We feel sure that the **Varieties** offered and the **Prices** we quote will both surprise and interest you. Many of the sorts which heretofore have been scarce and of high value, are now offered at **Popular Prices**. The plants which we offer are **Strong, One-year-old, Field-grown Stock**, and can be shipped with perfect safety end of September or early in October.

**Price, \$30.00 to \$50.00 per 1000**  
ACCORDING TO VARIETY

For a complete list of Hardy Plants suitable for fall planting, including our specialties—**Peonies, Iris, Anemones, Tritomas, etc.**, see our fall catalogue. If you have not received a copy, write for same.

**Henry A. Dreer**  
**PHILADELPHIA, PA.**

**714 Chestnut Street**

## BULB NOTES.

Dutch bulbs as seen in the seed stores this season are the best received in many years. Hyacinths are solid and shapely as a rule. Tulips are not remarkably large but in all other respects are fine. Those who buy "Red" or "Scarlet" Pottebakker probably do not all understand that they get the old variety Verbloom renamed. The only true scarlet Pottebakker is the fine variety Sir Thomas Lipton which is a sport from Pottebakker Yellow. Grace Darling is a dark red sport from Pottebakker White.

Lilium candidum bulbs run slightly undersize this year. The best variety of candidum is characterized by short white scales. The variety from southern Europe which produces narrow petalled, inferior blooms has long narrow pinkish scales running up to the apex of the bulb.

Please discontinue our ad. for violets. All sold. **JOHN F. FLOOD CO.**  
Dedham, Mass., Sept. 16, 1908.

ADVERTISER would like to communicate with a Florist or Nurseryman with ten or twelve thousand dollars, who would like to go into business on the Pacific Coast. Address,

**PACIFIC,**  
Care of **HORTICULTURE**

## FINE 4-INCH POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5.00 per 100; \$45.00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.  
White Spruce, 3-4, 4-5, and 5-6 ft.  
Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.  
Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.  
White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

**The New England Nurseries, Inc.**  
**BEDFORD, MASS.**

## GRAFTED ROSES

**Special Bargain Sale**  
EXTRA FINE STOCK

KILLARNEY, CARNOT, KAISERIN,  
BRIDE, BRIDESMAID, LA FRANCE

From 3 inch Pots.  
per doz. \$12.00 per 100 \$100.00 per 1000  
Strong **OWN ROOT** Plants.  
KILLARNEY, KAISERIN, RICHMOND,  
PERLE

From 3 inch Pots. \$7.50 per 100  
**BRIDE, BRIDESMAID,**  
From 3 inch Pots. \$6.00 per 100. \$5.00 per 1000  
FIELD GROWN **CARNATIONS** HEALTHY STOCK

Per 100 Per 1000  
Nelson and White Enchantress... \$8.00 \$75.00  
John M. Gould... 6.00 50.00  
M. J. Gould... 6.00 55.00  
Lady Bountiful... 6.00

**WOOD BROTHERS, Fishkill, N.Y.**



## Obituary

Emil Johansen.

Emil Johansen, who died on September 12, was born in Sweden about forty-five years ago. His early life was spent in Sweden and Russia; he was orchid grower to Herr Krupp, of



EMIL JOHANSEN.

Krupp gun fame, after which he further perfected himself in orchid growing in the establishment of Sander & Sons in England. His first position in America was with Mr. Pratt of Brooklyn, N. Y., as orchid grower; then he went to Chicago and took charge of the orchid collection in Garfield Park; from there he went to the estate of James E. Rothwell, Brookline, Mass., in 1900, where under his nurture the collection of orchids increased in numbers and quality steadily. As a hybridist Mr. Johansen was very successful and raised a great number of valuable hybrids, both in cypripediums and cattleyas.

He was a member of the Massachusetts Horticultural Society and had served on the plant and flower committees. As an exhibitor of orchids in Horticultural Hall his displays were always most artistic and won many medals and other awards for their owner.

Last month Mr. Rothwell sold his entire collection of orchids to Ernest B. Dane of Brookline and Mr. Johansen engaged to take charge of the greenhouses on Mr. Dane's estate. Hardly was the collection housed before his health gave way and a painless death from heart failure followed.

Mr. Johansen was unmarried, with parents, brothers and sisters in Sweden. He was a man of artistic temperament, always looking over an arrangement or decoration to see if improvement could be made in the smallest detail, was exact in his accounts, rendering them with the precision of a bookkeeper; his extreme neatness in his houses and in handling his collection was a matter of admiring comment. To Mr. Rothwell his death

comes as a distinct personal loss, as he recognized in him a man of superior character and attainments, who had won his highest esteem.

Resolutions were passed by the Gardeners and Florists' Club of Boston, of which he was a member, and the many beautiful floral tributes at his funeral showed the value placed upon his friendship by the members.

Charles E. Richardson.

Charles E. Richardson, a former treasurer of the Massachusetts Horticultural Society, died at the home of his daughter, Mrs. George W. Milton, Salisbury road, Brookline, on September 14, following a prolonged illness. He was seventy-two years old. Mr. Richardson gave up the treasurership of the Horticultural Society a little more than a year ago, owing to his health. To this society he gave sixteen years of active and faithful service and deeply regretted the necessity of resigning. He was especially well informed regarding pears and his judgment on varieties was valuable. He was a native of Portland, Me., and when nine years old moved to Cambridge and attended school. At nineteen years of age he held a position in the Maverick Bank of Boston and later was cashier of the Rockland Bank of Roxbury. Still later he was cashier of the Lechmere Bank of East Cambridge. Mr. Richardson married the daughter of the late Charles M. Hovey, the noted horticulturist, a former president of the Massachusetts Horticultural Society.

William Butcher.

William Butcher, a highly respected citizen and florist of Providence, R. I., was stricken with heart failure a short distance from home, and died instantly on the 9th inst. Mr. Butcher was born in Yorkshire, England, 72 years ago.



WILLIAM BUTCHER.

Coming to this country a little over forty years ago he was first employed by Governor Sprague, then went into business for himself. He was a charter member of the Florists' and

Gardeners' Club of Rhode Island, a member of several branches of the masonic fraternity, and a churchman of sterling integrity. The funeral was solemnized on the 12th inst. and the floral tributes were numerous and beautiful. The florists' club attended in a body. Mr. Butcher leaves a widow.

Mrs. T. D. Hatfield.

Mrs. Hatfield, wife of T. D. Hatfield, Wellesley, died on Tuesday, September 1, and was buried at Cedar Lawn Cemetery, Wellesley, on Friday, the 4th. She had a kindly disposition and a genial countenance, and a welcome was always given to the fraternity when visiting the Hunnewell estate, as many of them can testify. She was well known and highly respected in the town of Wellesley and was prominent in church work. She brought up her children in the good old English fashion. She took great interest in horticulture. She was 57 years old, and left a family of eight children to mourn her loss.

Henry Regan.

Henry Regan, who for several years was employed by Bassett & Washburn of Hinsdale, Ill., died at Grand Rapids, Mich., September 13. Mr. Regan had been in Grand Rapids several months. His friends in Hinsdale sent an expression of their regard for him in the shape of a large bunch of American Beauty roses.

A. Pinoteau.

A. Pinoteau, who for many years held the position of city gardener in Montreal, Canada, died on Sept. 7 after a brief illness.

## CHRYSANTHEMUM NOTES.

### Chrysanthemums in Demand.

Several growers of young plants for the shipping trade report an unprecedented call for chrysanthemums of the recommended commercial cut flower varieties. An increased demand has also been noted for the newer sorts of pompons and singles for cutting.

### Chrysanthemum Golden Glow.

Golden Glow Chrysanthemum, Elmer Smith's sensational early yellow, is beating all records and is a subject of much admiring comment, coming in as it has with big full blooms ever since middle of August. To get it in good shape in August, Wallace R. Pierson says, "plant it in May and take the first crown bud."

### Feeding and Disbudding.

Chrysanthemum plants in pots should now be setting buds and will require special feeding with a good manure or commercial fertilizer until buds begin to show color, when feeding should cease. Disbudding should be closely looked after in the large flowering varieties. Pompom, Anemone and single varieties do not require disbudding except in case where specimen plants are desired.

'XTRA!

'XTRA!!

'XTRA!!!

All about the terrible shortage in the larger sizes of *Lilium Harrisii* which amounts to over 50 per cent. There are absolutely no more in the market. Wise growers are planting

## COLD STORAGE LILIES

*Lilium Longiflorum Giganteum* potted September 1st to 15th will flower for Thanksgiving and up to new year, *Lilium Speciosum Album* for Easter. This is not a seedsman's theory but practiced by leading plant growers in the United States and Canada, also Europe.

## COLD STORAGE LILIUM GIGANTEUMS AND SPECIOSUMS, ETC.

Our stock of cold storage lilies are not surplus or left over bulbs, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows:—

### LILIUM LONGIFLORUM GIGANTEUM.

7— 8 inch, 250 bulbs in a case.....	\$15.00 per case;	\$6.50 per 100;	\$60.00 per 1000
7— 9 inch, 300 bulbs in a case.....	21.00 per case;	8.00 per 100;	70.00 per 1000
8—10 inch, 200 bulbs in a case.....	19.00 per case;	10.50 per 100;	100.00 per 1000

### LILIUM SPECIOSUM ALBUM.

8— 9 inch, 160 bulbs in a case.....	\$10.00 per case;	\$6.50 per 100;	\$60.00 per 1000
9—11 inch, 100 bulbs in a case.....	10.00 per case;	10.50 per 100;	100.00 per 1000
11—13 inch, 100 bulbs in a case.....	18.00 per case;	18.00 per 100;	175.00 per 1000

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman,**

342 WEST 14TH ST.,  
NEW YORK CITY

## ORCHIDS

Largest Importers, Exporters, Growers  
and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

## ORCHIDS

Our importation has arrived In Perfect Condition  
*C. Gigas Sanderiana*, *C. Percivallana*,  
*C. Gaskelliana*, *C. Mossiae*.

Expect *C. Mendelli* shortly.

ORDONEZ BROS., Madison, N. J.

## IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerules*, *Cattleya Trianae*,  
*Cattleya gigas Sanderiana*, *Cattleya*  
*Schroederiae*, *Oncidium varicosum*.

JULIUS ROEHRS CO., Rutherford N. J.

## ORCHIDS

Fresh shipments arrived in superb condition  
*Cattleya gigas* (True Hardyana type)  
*Cattleya Schroederiae*, *C. Trianae*, *C. Trianae* To-  
payian var., *Laelia biglyana*, *Oncidium*  
*Kramerianum*, *Miltonia Vexillaria*, *Peristeria*  
*elata* (Dove orchid) and *Odontoglossum*  
*Harryanum* and *Scepstrum*. Write for prices.

LAGER & HURRELL, Summit, N. J.

## ORCHIDS

Orchid Baskets and Peat

Write for Prices

JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.

## ORCHIDS

Our latest importations have been, *Cattleya Chrysotoxa*, *Cattleya Gaskelliana*, *Cattleya Gigas*, (Hardyana district), *Phalaenopsis Amabilis Schilleriana* and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

**CARRILLO & BALDWIN**  
SECAUCUS, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....	80c per bbl
50-bbl lots.....	75c per bbl
100-bbl lots.....	70c per bbl

Osmonda roots.

WM. MATHEW'S, - Utica, N. Y.

## TIE UP

Your Chrysanthemum Plants with  
**GREEN SILKALINE**  
Made Especially for that Purpose.

JOHN C. MEYER & CO., Boston, Mass.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N. J.

## CINERARIAS

Here They Are, a Splendid Strain.  
None Better.

2 1-2 in. Pots \$4.00 per 100; 4 in. Pots  
\$6.00 per 100.

LOUIS SCHMUTZ, Flatbush, Brooklyn, N. Y.

## HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

ROMAN HYACINTHS and the true  
PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillegom  
K. VELTHUYS, Hillegom, Holland  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

## BULBS FOR FORCING

Roman Hyacinths, *Lilium Harrisii*, Freesias,  
Tulips and Dutch Hyacinths.

PERENNIAL FLOWER SEEDS.

New crop for present sowing.  
Special prices on application.  
Sure Crop Mushroom Spawn. \$8.00 per 100 lbs.  
Seed Merchants & Growers  
Weeber & Don, 114 Chambers St., New York

## A. MITTING

Galla Lily Bulb Co.

Santa Cruz, Calif., U.S.A.

**JAPANESE**  
NURSERY CO.  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
LILIES  
PLANTS  
BAMBOO STAKES

# NOTABLE AUCTION SALE



## BILTMORE NURSERY WILL CONSIGN

A Car Load of Decorative Plants to be sold at Public Auction, Tuesday, September 22, at Noon, consisting of Seaforthias, Cycas, Phoenix, Arecas, Pandanus, Latanias, Kentia Forsteriana and Belmoreana from 6 inch pots to 24 inch tubs, also Ferns, Ficus, Primroses, Bulbs and Carnations from other growers.

**WM. ELLIOTT & SONS, HORTICULTURAL AUCTIONEERS 42 Vesey Street, New York City**

### Seed Trade

The worst fears concerning the shortage in the pea crop are going to be more than realized, but by request of our informant we are giving no figures just yet. A few weeks ago we gave some figures, stating that the actual deliveries would be between the high and the low, and much nearer the low. These figures were scoffed at by a few "wise ones" but the worst was not told, and when it becomes known, will create a sensation in the trade. "Nuff" said at this time.

It really looks serious in the vine seed line, when close buyers, and jobbers at that, will pay 50c. per pound for standard varieties of cucumber seed at this date and buy with an alacrity which says plainly that they would have paid more had it been necessary, yet that is what was done during the past week, and if indications are not greatly misleading, 50 cents will look low within the next three months.

As indicated in previous issues of HORTICULTURE, muskmelons are going to be in much worse shape than cucumbers, as not only is this year's crop mainly a failure, but unlike cucumbers, there are practically no reserves carried over, and no doubt a new high record for prices will be reached the coming season. It is useless to attempt to guess what the high figures will be, or what percentage will be delivered on contracts, but it may be said without fear of contradiction, that a most serious condition confronts the great body of seedsmen, and many will be unable to procure certain varieties at any price.

Word from Cincinnati says that the onion seed crop is much shorter than was expected, even as late as the latter part of July. Blight got in its destructive work late, when danger from that source seemed to have passed, and what gave every promise of being a bumper crop seems finally to have turned barely average.

No word about the Lima bean crop has come from California for some time, but something bearing on that subject is expected very shortly. Last

reports indicated a considerable shortage, particularly of the Burpee's Bash.

The great shortage in peas this year will be relieved somewhat by purchases from Europe, but the European surplus will not be large and will not greatly affect prices here.

The succession of bad pea crops calls attention anew to a series of articles on this subject which appeared in HORTICULTURE about a year ago. It was pointed out at that time that standards would have to change, and that five fold was now only a cherished memory on the part of the pea growers. Such a yield is of course not impossible in the future, but it is so long since such a thing occurred, that the memory of the oldest inhabitant is taxed to recall it, and it would be regarded in fact as a genuine phenomenon. This is a matter of supreme importance, and will be dealt with in a future issue of HORTICULTURE.

Mr. Eugene Schaettel, representing Messrs. Vilmorin, Andrieux & Co., Paris, France, will arrive in New York September 26th to make his usual visit to the seed trade throughout the United States and Canada. His New York address will be care of H. Frank Darrow, 26 Barclay St.

#### PUBLICATIONS RECEIVED.

Report of the Proceedings of the Indiana Horticultural Society for the year 1907. This interesting volume of 256 pages includes the report of the 47th annual meeting held in Indianapolis, the summer meeting in Lafayette, proceedings of the State Board of Horticulture, local societies, selected papers, etc. The Indiana Horticultural Society appears to concern itself almost exclusively with orchards. There are large interests in the State of Indiana devoted to other branches of horticulture whose co-operation ought to be worth much to the state organization.

"Arboriculture" for September is as usual interesting and exceedingly spicy reading. Neither Editor Brown nor his correspondents are in the least timid about expressing their views on forestry and lumber topics. Arboriculture demands "the immediate repeal of the tariff on wood pulp, print paper, lumber, timber and logs, and that

these articles be placed upon the free list." HORTICULTURE "seconds the motion."

In a set of bulletins recently issued from the Agricultural Experiment Station at Kingston, R. I., No. 128 is A Further Study of Soil Treatment in Greenhouse Culture by H. J. Wheeler and G. E. Adams. Radishes, lettuce and carnations were the crops experimented on and the results as recorded will be found interesting.

## Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**

6 & 7 South Market Street  
**BOSTON, MASS.**

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

## CHRISTMAS FLOWERING SWEET PEAS

in original packages from Zvolanek, carried in stock in Boston.

**H. E. FISKE SEED CO.,**  
13 Faneuil Hall Sq., BOSTON, MASS.

## CATALOGUES RECEIVED.

The W. W. Barnard Co., Chicago, Ill.—Florists' Wholesale List of Bulbs and Seeds for Fall Planting.

Elm City Nursery Co., New Haven, Conn.—Special Summer and Autumn Planting List. A compact and useful list of hardy garden material.

Franz Birnstiel, Coburg.—Illustrated catalogue and price list of baskets, willow and birch flower stands, pot covers, ferneries, etc. Text in four languages.

Champion City Greenhouses, Good & Reese Co., Springfield, O.—Fall Trade List for Nursermen and Dealers Only. Rose novelties and general collection of plants.

Shatemuc Nurseries, Barrytown, N. Y.—Flowering Shrubs, Herbaceous Plants, Trees for Ornament and Shade. A beautiful catalogue, profusely illustrated and with appropriately adorned cover.

Henry F. Michell Co., Philadelphia, Pa.—1908 Book of Bulbs. A finely illustrated, comprehensive catalogue in which the characteristic enterprise of this popular house is convincingly displayed.

Schlegel & Fottler Company, Boston.—Catalogue of Bulbs and Plants for Autumn Planting. This is as heretofore, a gem in its way, with an artistic and effective cover and well-arranged contents.

Bertrand H. Farr, Wyomissing Nursery, Reading, Pa.—Irises, Peonies, Phloxes and Hardy Plant Specialties. This is Mr. Farr's first catalogue and it contains much to command attention. The lists are very comprehensive, the illustrations excellent and the descriptions clear and concise.

Jackson & Perkins Company, Newark, N. Y.—This firm is sending out a descriptive catalogue of tender and hardy plants under the title of "A Business Proposition for Seedsmen," soliciting seedsmen to offer in their own catalogues plants herein listed and have the orders filled direct from Newark under their own labels at a commission of 50 per cent on prices quoted.

Bay State Nurseries, North Abington, Mass.—Special Price List for Gardeners and Owners of Estates Only. A very extended list of trees, shrubs, evergreens, vines, roses, and herbaceous perennials grown in the trying climate of New England and inured against any reasonable exposure to severe extremes. They have a glorious soil in North Abington and the goods they turn out are in the right class.

## SWEET PEAS

Zvolanek's Winter Flowering

Christmas Pink. Pink and white  
Florence Denzer. Pure white.  
Mrs. Edie Wild. Carmine red. Per doz.  
250; per 1/2 lb. 75c; per lb. \$2.00.

## Newer Varieties

Le Marquis. Dark blue.  
Mrs. Al x. Wallace. Lavender.  
Mrs. F. J. Delansky. Day's peak pink.  
Mrs. Wm. Sim. Salmon pink. Per doz.  
500; 1/2 lb. \$1.50, per lb. \$5.00.

**MICHELL** 1018 MARKET ST.  
PHILA. PA.

C.C. MORSE & CO. 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

Thorburn's  
Bulbs

Roman Hyacinths,  
Bermuda Easter Lilies  
Narcissus Paper White Grandiflorus  
Freesias, etc.

Seeds of our Magnificent Strain  
Cyclamen Giganteum, Asparagus plu-  
mosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

SOW NOW MY STRAIN OF  
Hardy Garden Carnations

	as;	Per Oz.	Tr. Pkt
Special Mixture of extra double flowers,		\$2.50	.30
Dwarf Scarlet Grenadin .....	2 c		.30
Early Dwarf Vienna, finest mixed.....	1.00		.20
New Early White Vienna, fine for cut,	1.50		.20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed.....	4.00		.50

**O. V. ZANGEN, Seedsmen**  
HOBOKEN, N. J.

In ordering goods please add  
"I saw it in HORTICULTURE."



**WIZARD  
BRAND  
MANURES**

**PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE**

Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.  
Best and safest manure for florists' and greenhouse use.

Absolutely Pure  
No Waste  
No Danger

Write for literature and quantity prices.

THE PULVERIZED MANURE CO.  
31 Exchange Ave., Union Stock Yards, Chicago

**GUARANTEED** MUSHROOM  
SPAWN

7 lbs. for \$1.00

**W. ELLIOTT & SONS**  
42 Vesey St., New York

BRIDGEMAN'S SEED WAREHOUSE  
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

**SAN JOSE, - - CALIFORNIA**

**READY** For Prompt  
Shipment ...

## FRENCH and DUTCH BULBS

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

Burpee's Seeds  
PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit.

JUST ARRIVED  
HIGH GRADE  
DUTCH BULBS

We also carry a full line of Florists' Supplies

**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON, MASS.

Winter-flowering  
SWEET PEA SEED

All Colors Ask for List

**A. C. ZVOLANER**

ORIGINATOR.

BOUND BROOK, N. J.

SKIDELSKY & IRWIN CO.  
PLANTS, BULBS, SEEDS

144 No. 7th St., Philadelphia, Pa.

CAULIFLOWER'S  
CABBAGE

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

## PERSONAL.

E. I. Rawlings of Monongahela, Pa., is now located in Albany, N. Y.

Ch. Sanders of St. Louis has taken a position with H. G. Berning.

Thomas, son of A. J. Boothman, will enter his father's florist business at Adams, Mass.

Harold George is manager of the greenhouses of the late Alfred Gallo-way, Fruitvale, Calif.

Visitors in Boston: Mr. and Mrs. George A. Kuhl, Pekin, Ill.; Ed. Roehrs, Rutherford, N. J.

Herbert L. Wolff, florist at 219 Main St., Charlestown, Mass., is to be married on October 7 to Miss Rosetta A. Asing.

Charles McCauley, formerly of Washington, D. C., has entered upon his duties at Riverbank Greenhouses, Geneva, Ill.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET

Established 1873

Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

### STEAMER DEPARTURES

#### Allan.

Virginian, Mont'r'l-Liverp'l...Sept. 25  
Tunisian, Mont'r'l-Liverp'l...Oct. 2

#### American.

Philad'la, N. Y.-Shampton...Sept. 26

#### Atlantic Transport.

Minneapolis, N. Y.-London...Sept. 26

#### Cunard.

Saxonia, Boston-Liverp'l...Sept. 22  
Mauretania, N. Y.-Liverp'l...Sept. 23  
Campania, N. Y.-Liverp'l...Sept. 30  
Ivernia, Boston-Liverp'l...Oct. 6

#### French Line.

La Savoie, N. Y.-Havre...Sept. 24

#### Hamburg-American.

Duetschland, N. Y.-Hamburg...Sept. 24  
Pretoria, N. Y.-Hamburg...Sept. 26

#### Leyland.

Canadian, Boston-Liverp'l...Sept. 23  
Bohemian, Boston-Liverp'l...Sept. 30

#### North German Lloyd.

K. W. der Grosse, N. Y.-B'n...Sept. 22  
Kronp'n Cecile, N. Y.-B'n...Sept. 29

#### White Star.

Oceanic, N. Y.-Shampton...Sept. 23  
Celtic, N. Y.-Liverp'l...Sept. 24  
Teutonic, N. Y.-Shampton...Sept. 30

Mr. F. Gomer Waterer of Bagshot, England, sailed for New York on his annual visit, on S. S. Mauretania, September 12.

H. Plath of San Francisco intends to return from his trip abroad in time to be present at the National Flower Show in November.

Peter Schrozsynski, of 604 N. Harding avenue, Chicago, arrived in New York Sept. 15, after a visit to his childhood home across the sea.

T. Mellstrom, representative of Sander & Sons, who has been in Belgium during the summer, will sail from Liverpool on September 26, on S.S. Lucania.

H. A. Bunyard sailed on 5th inst. for England where as is Harry's wont, he will combine business and pleasure in liberal chunks and especially enjoy a visit to his venerable father, Mr. Thomas Bunyard, whose writings have occasionally appeared in HORTICULTURE. The old gentleman is in rather feeble health now.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**  
396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in  
**BOSTON**

and all

NEW ENGLAND POINTS

**THOS. F. CALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**  
2 Beacon St., Boston.

Fine Design Work a Specialty

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.



# TO ALL USERS OF Hardy Ferns and Galax

OWING to unfortunate experience in handling the usual brand of storage ferns and galax we have arranged to handle these specialties direct and store in large quantities and under improved processes. We have already stored several millions of selected ferns and are now prepared to contract for delivery during the coming season of **Best Quality Hardy Ferns, Fancy and Dagger, and Galax Leaves of Highest Grade, Bronze and Green, at Bed Rock Prices According to Quantity Taken.** Write to us before ordering elsewhere and we think we can interest you in our proposition.

**N. F. McCARTHY & CO.,** Largest Shippers of Florist Supplies in New England  
84 Hawley Street, Boston, Mass.

## The Trade Outlook

### SOME CHICAGO VIEWS.

#### Zech & Mann.

"We think trade is opening up well for the early part of September and predict that within two weeks business will be fine."

#### J. A. Budlong.

"Judging from the way business has held up during the summer I think the outlook for the fall and winter very encouraging."

#### E. F. Winterson Co.

"It is pretty hard to determine the future, but people we are meeting from outside are very hopeful and we predict a good fall and winter business."

#### Hauswirth, the Florist.

"We think the hard times are not entirely over, but do feel that better times are on the way. We think within a month business will be about normal."

#### A. L. Randall Supply Dept.

"We are pleased with the opening up of the fall trade. The dull season gave a chance to work off old stock which leaves the market now in good condition for a revival of business."

#### Benthey-Coatsworth Co.

"It is too early to form definite opinions regarding fall trade, but I consider the panic practically over and think by the middle of the season trade will be equal to that of former years."

#### J. P. Weiland of Weiland & Risch.

"I realize that we have been through hard times but believe them about over. I look forward to an exceptionally good year and have largely increased my greenhouse plant to meet it. Everything points to a good year ahead."

#### A. L. Vaughan, of Vaughan & Sperry.

"We can only judge from the condition of the August business which was decidedly better than that of last year. From inquiries for certain lines of stock I think the outlook for the fall trade good, and the worst of the hard times are over, no matter who is elected."

#### Poehlmann Bros. Co.

"Compared with the opening up of the spring trade the fall season is starting in more favorably. We believe the worst of our hard times are over."

#### S. F. Leonard of the Leonard Seed Co.

"In my opinion the hard times are over. Many of the seed crops are short but this makes the prices better. I know the coming season will be a good one."

#### Bassett & Washburn.

"The shipping trade is better than last year while the city trade hardly as good. This shows that the vast country which has Chicago for its buying center has not been affected any by the panic. The outlook is for a continuance of a good shipping trade equal to if not exceeding former years. The city demand we consider will be below normal. However a good deal will depend on what takes place after the election, this event having more effect on the city trade than on the shipping. We also look for a larger supply of flowers than last year."

### COMING EVENTS.

Springfield, Ill., State Fair, Sept. 25 to Oct. 2.

White Marsh, Md., Maryland Horticultural Society, with R. Vincent & Sons, Sept. 22.

Huntington, N. Y., Horticultural and Agricultural Society, sixth annual exhibition, Sept. 23.

Providence, R. I., Rhode Island Horticultural Society, fall show, Sept. 17, 18, Francis Willard Hall.

Hartford, Conn., Connecticut Horticultural Society, fall show, Sept. 23; chrysanthemum show, Nov. 5, 6, Unity Hall.

New York, N. Y., American Institute of New York, exhibition, Sept. 22, 23, 24; chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building.

### NEW RETAIL FLOWER STORES.

Harry Gessner, 1256 Broadway, New York.

A. Elberfeld, 11th and Main streets, Kansas City, Mo.

### FAIRS AND NEIGHBORHOOD SHOWS.

At the Montgomery County Fair, Dayton, Ohio, the Dayton Floral Co., the Advance Floral Co., and H. H. Ritter had fine exhibits.

School children under the auspices of the Improvement Society, N. Andover, Mass., had a fine exhibit of flowers and vegetables on September 11.

The floral exhibition at the State Fair, Concord, N. H., was very creditable, and the largest in years. A. G. Hood of Manchester acted as judge.

In the competition for garden prizes offered by the Village Association, Lenox, Mass., there were 48 competitors and \$146 was distributed in prizes.

Sept. 2 and 3 were the dates of the flower carnival at Conesus, N. Y. Chas. Larowe of Cohocton had a fine display of gladioli and H. A. Dreer of water lilies.

The success of the first flower carnival held at E. Rochester, N. Y., will probably lead to a repetition. The exhibits were unusually good and the financial results satisfactory.

The Melrose Horticultural and Improvement Society, Melrose, Mass., held its annual exhibition on September 11, the attractive feature being the exhibits from children's gardens.

The annual show of the Cleghorn Landscape and Garden Improvement Society at Fitchburg, Mass., closed on September 7 with numerous awards. Interest has grown until an 80 foot tent was required to house the exhibits this year.

The show of the Westmouth Horticultural Association held on Sept. 5 at Westmouth, Can., while perhaps less ambitious than last year, had some good exhibits of asters; wedding bouquets and ferns were shown by Hall & Robinson, and gladioli by H. Drennan.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**JACOB SCHULZ**, 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

# DAHLIAS

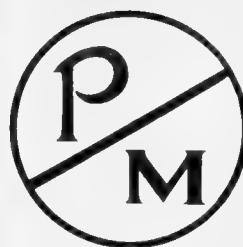
of the Highest Grade

Regular Orders Shipped Direct to You from  
the Growers

WRITE US ABOUT THEM

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.

Commencing Sept. 21st open from 7 a.m. to 8 p.m.



QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

**MRS. JARDINE**, The new pink rose—best on the market at present. Price \$6.10 to \$8.00 per 100.

**MY MARYLAND** Excellent flowers of this beautiful new rose \$6.00 to \$8.00 per 100.

**ASTERS, Extra Choice**  
Frame and greenhouse grown.  
\$2.00 and \$3.00 per 100

**VALLEY, Extra**  
The "Come-again" kind.  
\$3.00 and \$4.00 per 100

## NEW PINK ROSE MY MARYLAND

**W. E. McKISSICK** WHOLESALE FLORIST  
PHILADELPHIA  
1619-1621 RANSTEAD ST.

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

**CHAS. W. McKELLAR**

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

**J. B. Murdoch & Co.**

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA  
Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Green—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

**AMERICAN BEAUTY** and all other ROSES  
**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 15	TWIN CITIES Sept. 14	PHILA. Sept. 14	BOSTON Sept. 17
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
Extra.....	15.00 to 20.00	18.00 to 20.00	15.00 to 20.00	12.00 to 15.00
No. 1.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	6.00 to 10.00
Lower grades.....	5.00 to 10.00	6.00 to 8.00	5.00 to 10.00	1.00 to 4.00
Bride, Maid, Fancy & Special.....	3.00 to 6.00	4.00 to 6.00	..... to 6.00	2.00 to 3.00
Lower grades.....	2.00 to 3.00	2.00 to 3.00	1.50 to 6.00	.25 to 1.00
Killarney, Richmond, Fan, & Sp.....	4.00 to 6.00	4.00 to 10.00	6.00 to 8.00	2.00 to 4.00
Lower grades.....	2.00 to 4.00	2.00 to 4.00	1.50 to 6.00	.25 to 1.00
Kaiserin, Carnot.....	4.00 to 6.00	3.00 to 6.00	1.50 to 8.00	.25 to 4.00
Golden Gate, Chateaufay, etc.....	3.00 to 6.00	2.50 to 6.00	2.00 to 6.00	.25 to 3.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	1.00 to 2.00	1.00 to 2.00	..... to 2.00	.75 to 1.00
Ordinary.....	1.00 to .....	.75 to 1.00	1.50 to 2.00	.50 to .75
<b>MISCELLANEOUS</b>				
Cattleyas.....	40.00 to 50.00	40.00 to 50.00	50.00 to 60.00	50.00 to 60.00
Lilies.....	5.00 to 10.00	5.00 to 12.00	10.00 to 15.00	6.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
Asters.....	.50 to 4.00	1.00 to 3.00	.50 to 3.00	.10 to 1.00
Gladioli.....	2.00 to 5.00	2.00 to 5.00	2.00 to 3.00	1.00 to 3.00
Dahlias.....	1.00 to 3.00	..... to .....	1.00 to 6.00	..... to .....
Adiantum.....	.75 to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax.....	6.00 to 10.00	10.00 to 13.00	12.50 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings.....	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" " & Spreng. (too bchs.)	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	15.00 to 50.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations  
A Specialty.....

WHOLESALE GROWER of CUT FLOWERS



**HENRY M. ROBINSON & CO.**

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## WHOLESALE ONLY Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax, Bronze (Nov. 14 delivery), 50c.; Galax, Green, 50c. Leucothoe Sprays (green only), 32c. Ferns, Dagger and Fan, 70c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N. C. NORTH CAROLINA EVERGREEN CO. Successor to F. W. RICHARDS & CO. Banners Elk, N. C.

**E. A. BEAVEN**  
Southern Wild Smilax,  
Log Mosses,  
Natural and Perpetuated—at Wholesale  
EVERGREEN, ALABAMA.

## Flower Market Reports.

**BOSTON** The situation here at present is worse, if possible, than last week so far as disposal of flowers is concerned. There is practically no demand for the vast accumulation of asters, roses and other things, carnations included. American Beauty sales are satisfactory as are also those of lily of the valley, which is generally of superior quality. Golden Glow chrysanthemum has made its appearance in this market.

The latter half of the **CHICAGO** week ending September 12 was a period of great depression in the Chicago market. A hot wave swept over the city and trade was practically at a standstill. Asters, carnations and roses piled up and were a glut on the market. Forest fires raging in Wisconsin filled the air with smoke and little else than funeral flowers were needed. To make the market condition worse, flowers from New York, noticeably asters, are being shipped here in quantity. Sunday morning the tide began to turn a little and Monday some of the largest wholesalers expressed themselves as believing the worst was over though trade was very much below the normal. Asters are really fine stock, though sales are discouragingly slow. The early asters this year proved the most satisfactory financially. Roses are good and carnations rapidly improving in size and length of stem.

**DETROIT.** Business for week before last was very encouraging but the abnormally hot spell of last week seemed to spoil a good beginning. The northern fires which darken our streets and make the air full of ashes and smoke are playing havoc with the fern crop. The fern gatherers travel from place to place without making a find. There will be a premium on ferns next winter.

The retail florists report a little breeze, as it were, just beginning to stir the stagnant surface of business and are looking for a goodly ripple before long, but the movement is not yet appreciable in wholesale circles and we have little to report that will be of interest or instruction to anybody. Asters have been piling up faster and higher and, in bulk, must at the present time nearly equal the entire receipts of the whole market. They are very fine but that doesn't help the prices much, if any, under present conditions. Roses are showing a little improvement in stem, color and solidity of bud. Carnations make progress slowly. Lilies are excellent and lily of the valley has never been finer. Cosmos is seen generally, and dahlias, gladioli and hydrangeas are coming in by the crate full.

**PHILADELPHIA.** Trading has been very quiet the past week, with increasing receipts. No immediate change is looked for unless we have a sharp frost to check outdoor supplies, or a let up on the fakir embargo. Street merchants from New

# CUT ASTERS

50c to \$1.50 per hundred

# CUT GLADIOLI

\$3.00 per hundred

---

## ALTIMO CULTURE CO.

Canfield, Ohio.

York have been hiring stands in doorways in the central part of the city lately. This would look as if these traders had some assurance from official sources that the peripatetic element were to be kept off indefinitely. On top of the aster have come the dahlias and a glut of Bride and Bridesmaid roses—the latter mostly of poor quality. Among the fairly satisfactory items are My Maryland, which is the best seller at present, and American Beauties. Mrs. Jardine comes next. Some fairly good long-stemmed carnations are arriving and sell well. Cattleyas are a little more plentiful. There are a few Dendrobium formosum. Lily of the valley is in normal demand and supply. Hydrangea, tritoma, gladioli and many other outdoor subjects very abundant. Among the most popular dahlias are Kriemhilde and White Kriemhilde. Mrs. Jones, Mrs. Keith, Countess of Lonsdale, Jack Rose, Sylvia, Lyndhurst and Perle d'Or.

With the opening of **WASHINGTON** schools and colleges a great many persons are coming back to the city, and in consequence there is a decided activity in the retail market. There is a glut of asters, but they are of exceptionally good quality. Owing to the drought and the stalk worm dahlias are scarce, but are fine flowers. Carnations are coming in, in very limited quantities. The flowers are remarkably good for this season, but the stems are very short. Roses are good of flower but also short stemmed, and the wood is very soft. There seems to be a greater demand for the latter, than for the cheaper grade of flowers. Lily of the valley is fairly good, though not in abundance. It and the Bride rose have been the flowers par excellence this fall for the numerous weddings. The cool nights have cut off the water lily supply to almost nothing; even the warm days fail to make them respond.

An invitation was received from Mr. Whittier of the Framingham Nurseries for the Gardeners' and Florists' Club of Boston to visit him next month.

### PHILADELPHIA NOTES.

Percy B. Rigby of New York has joined the Pennock-Meehan Co. as a member of the firm and an important stockholder. His special field will be in the accounting department.

Ernest Hemming, of the Thos. Meehan & Sons' Co., addressed the Pennsylvania Horticultural Society September 15th on Hardy Perennials.

George M. Cook, with Pennock-Meehan Co., was married September 7th to Miss Lucille Harris, of Chester, Pa.

Jno. Burton and party left on an auto trip to Summit, N. J., September 15th. Jno. N. May's rose-growing establishment and other interesting points are on the itinerary.

Visitors this week: L. M. Beck, Milton, Pa.; E. G. Hill, Richmond, Ind.; J. B. Swayne, Kennett Square, Pa.

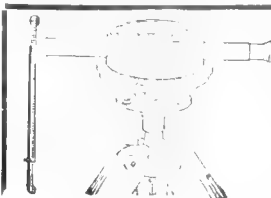
It is reported that Philip Freud is sitting up nights designing the Michell float for Founders' week parade in October, and that it will be a stunner. All indications point to a halcyon and vociferous time in the old Quaker City on its 225th anniversary celebration.

### NEWS NOTES.

John Bennett, Atlantic Highlands, N. J., who was the victim of an explosion that completely wrecked his greenhouses last March, has erected new houses on modern lines and is now ready for business. A cellar 108 feet long is a new feature.

Again we note signs of the beginning of a new season—one of the intangible evidences that summer has gone and that the time of frosty mornings is close at hand in the announcement of the great initial auction sale of useful florists' material by Wm. Elliott & Sons, which appears on another page of this issue. Drop in and see how his throat holds out.

Mr. C. L. Washburn of Bassett & Washburn of Hinsdale, Ills., will take a vacation at his summer home in northern Wisconsin, accompanied by his son.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery, and Landscape Gardening use, take the place of expensive English instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG CO. 139 Madison Avenue., ATLANTA, GA.

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

The Reliable Commission House  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist SELLING AGENT FOR  
LARGEST GROWERS  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
CARNEDIAS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 769 Mad. Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET  
PHONES. 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending Sept. 12 1908		First Half of Week beginning Sept. 14 1908			Last Half of Week ending Sept. 12 1908		First Half of Week beginning Sept. 14 1908	
<b>Roses</b>									
Am. Beauty, fan and sp. ....	10.00	to 20.00	10.00	to 20.00					
“ extra .....	6.00	to 8.00	6.00	to 8.00					
“ No. 1 .....	4.00	to 6.00	3.00	to 5.00					
“ Lower grades .....	.25	to 4.00	.25	to 1.00					
Bride, 'Maid, fan and sp. ....	2.00	to 1.00	2.00	to 4.00					
“ lwr. grds. ....	.25	to 2.00	.25	to 2.00					
Killarney, Richmond, fancy & spec	2.00	to 5.00	2.00	to 5.00					
“ lower grades. ....	.25	to 1.00	.25	to 1.00					
Kaiserin, Carnot. ....	.25	to 5.00	.25	to 4.00					
Golden Gate, Chateau, etc. ....	.25	to 4.00	.25	to 4.00					
<b>Carnations, Fancy and Novelties.</b>									
“ Ordinary .....	1.00	to 2.00	1.00	to 2.00					
Cattleyas .....	.50	to .75	.50	to 1.00					
Lilies .....	50.00	to 60.00	50.00	to 60.00					
Lily of the Valley .....	3.00	to 6.00	3.00	to 6.00					
Asers .....	1.00	to 2.00	1.00	to 2.00					
Gladioli .....	.25	to 1.00	.25	to 1.00					
Gardenias .....	.25	to 1.00	.25	to 1.00					
Adiantum .....	12.00	to 25.00	12.00	to 25.00					
Smilax .....	.50	to .75	.50	to .75					
Asparagus Plumosus, strings. ....	6.00	to 10.00	10.00	to 12.00					
“ & Spreng. (too bchs.)	20.00	to 25.00	20.00	to 25.00					
	10.00	to 20.00	10.00	to 15.00					

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. **New York.**

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**  
We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites

**TRAENDLY & SCHENCK**  
Wholesale Florists  
Furnish best stock at fair prices all the year round.  
Send for quotations on Fall Orders.  
Tel. 798, 799 Madison Sq. **44 West 28th St., New York City.**

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 **NEW YORK**

**WEIGEL & UJFALUSSY**  
Successors to Emil Steffens  
Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.  
136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.  
Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## NEWS NOTES.

The business of the late Mrs. Mary LaFever of Eaton Rapids, Mich., will be carried on under the name of the Mary LaFever Floral Co.

N. C. Moore & Co., of the Flower Growers' Market, Chicago, have opened up business again for the fall season. This company will go extensively into plant growing.

Wm. W. Abrahamson for eight years with E. H. Hunt has opened up a florists' purchasing agency at 21 Wabash Ave. So far as we know Mr. Abrahamson has the only place of its kind in Chicago.

The Greater New York Florists' Association are open and ready for business at 162 Livingston street, Brooklyn. This company is organized on rather unique lines being composed entirely of retail florists or growers who do a retail business and who, because of their interest as stockholders, are expected to do the bulk of their buying from the company. The building occupied is two stories with cellar, the latter being well adapted to the storing of flowers. George W. Crawbuck is manager.

## BUSINESS CHANGES.

Ashley & Huebner succeed S. H. Ashley at New Bedford, Mass.

The Florists' Wire Design Co. will locate at 131 E. 3rd street, Cincinnati, O.

Adolph Wethekam succeeds R. Rees in the greenhouse business at Aurora, Ill.

Slack & Butterworth are the successors of Gunnar Teilman at Marion, Ind.

Chas. F. Swager, Cheyenne, Wyo., will move his business to a location nearer the boulevard.

Edwin Hay has purchased the retail business of the Kelley Floral Co., 627 King's Highway, St. Louis, and will conduct it under the name of Grosvenor Gardens, with J. H. Kenthaw, manager.

## Greater New York Florists' Association, Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

## ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 38.

## JOHN YOUNG

WHOLESALE FLORIST

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

H. C. BERNING

Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

## FANCY and DAGGER

Extra fine, \$1.00 per 1000. Bronze and Green Galax, \$1.25 per 1000, \$8.50 case of 10,000. Leucothoe Sprays, \$1.00 per 100. \$7.50 per 1000.

## Flowers and Florists' Supplies

The best place in AMERICA to buy

## BAY TREES

N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

## GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of

EVERGREENS

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Sept. 14		Sept. 13		Sept. 14		Sept. 14	
ROSES								
Am. Beauty, Fan. and Sp.....	25.00	to 25.00	.....	to .....	20.00	to 25.00	.....	to 20.00
Extra .....	10.00	to 15.00	20.00	to 25.00	10.00	to 15.00	5.00	to 20.00
No. 1.....	8.00	to 10.00	15.00	to 18.00	6.00	to 10.00	8.00	to 12.00
Lower grade.....	6.00	to 8.00	3.00	to 8.00	3.00	to 6.00	2.00	to 6.00
Bride, 'Maid, F. & S.....	.....	to 6.00	4.00	to 6.00	.....	to 6.00	3.00	to 6.00
Low. gr.....	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Killarney, Richmond, Fan. & Sp.....	.....	to 6.00	4.00	to 6.00	6.00	to .....	2.00	to 6.00
Lower grades.....	3.00	to 4.00	1.00	to 4.00	3.00	to 4.00	.....	to 2.00
Kaiserin, Carnot.....	4.00	to 6.00	4.00	to 6.00	3.00	to 7.00	2.00	to 4.00
Golden Gate, Chateaufort, etc.....	4.00	to 6.00	2.00	to 4.00	4.00	to 5.00	2.00	to 4.00
CARNATIONS								
Fancy and Novelties.....	.....	to 2.00	.....	to .....	1.50	to 2.00	1.00	to 1.25
Ordinary.....	.....	to 1.50	1.00	to 1.50	1.00	to 1.50	.50	to .75
MISCELLANEOUS								
Cattleyas.....	.....	to .....	50.00	to 60.00	40.00	to 50.00	.....	to .75
Lilies.....	8.00	to 12.50	.....	to 15.00	3.00	to 12.00	8.00	to 12.00
Lily of the Valley.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Asters.....	.50	to 1.50	.50	to 1.00	.60	to 2.00	.50	to 2.00
Gladioli.....	2.00	to 4.00	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Dahlias.....	2.00	to 4.00	.....	to .....	.20	to .40	1.00	to 3.00
Adiantum.....	.....	to 1.00	.75	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax.....	.....	to .....	.15	to .....	12.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings.....	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.).....	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00	4.00	to 50.00

## SAMUEL A. WOODROW

WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free  
For sale by dealers

In ordering goods please add "I saw  
it in HORTICULTURE."

## BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

N. F. MCCARTHY, Manager  
66 Pearl Street, BOSTON, MASS.



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 23 State St., Boston.  
For page see List of Advertisers.

## ADIANTUM CROWEANUM

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

Henry A. Dreer, Philadelphia.

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

4-inch.....50 cents each

5 " .....75 " "

6 " .....\$1.00 each

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

## ASPARAGUS

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
Plumosus Robustus Seeds.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.,  
L. C. Midgley, Prop.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Asparagus Plumosus and Sprengeri.

For page see List of Advertisers.

Asparagus Plumosus Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Peter Mack, Orlando, Fla.

## ASTER AND GLADIOLUS BLOOMS

Altimo Culture Co., Canfield, O.

For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.

Gloire De Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2-4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

Freesias and Lily Bulbs.

For page see List of Advertisers.

K. Veithuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

Weeber & Don, 114 Chambers St., New York.

Bulbs for Forcing.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.

Formosa Lilium Longiflorum: Japan Grown Callas.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphia and other native bulbs.

Also native tree and plant seeds. I have them and will make prices to suit L. E. Williams, Nottingham, N. H.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co., White Marsh, Md.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.

Field Grown

Carnations Imperial and Pink Imperial.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.

Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

J. H. Playdon, Andover, Mass.

Field Grown Carnations.

For page see List of Advertisers.

## CARNATIONS—Continued

H. A. Cook & Son, Shrewsbury, Mass.  
Carnations Field Grown.

For page see List of Advertisers.

Chas. H. Green, Spencer, Mass.

Field Grown Carnations.

For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Cohanzie Carnation Greenhouses,

New London, Conn.

Surplus Carnation Plants.

For page see List of Advertisers.

Fine field grown Enchantress, \$5.00. Cash. L. E. Marquisee, Syracuse, N. Y.

400 Queens, fine plants, 500 Asparagus Sprengeri, all at \$5.00 per 100. Samuel Kinder & Bro., Bristol, R. I.

Field grown Carnation Plants, healthy, large, none better. Enchantress, Mrs. Th. W. Lawson, Boston Market, Lady Bountiful Cardinal, \$5.00 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

1260 Enchantress, fine, at 5c.; 170 Imperial, large, 6c.; 60 Elbon, very large, 5c.; 10 White Enchantress, 10c.; 80 Winsor, small, 4c.; 190 Victory, small, 4c.; 50 Haines, small, 3c.; 70 Lawsons, mixed, 2c. J. Macfarlane, Staatsburg, N. Y.

600 first size Queen Louise; 350 medium size Bountiful; 1500 medium size White Perfection; \$4.00 per 100. 300 White Enchantress, good stock; 100 Our White Seedling, good as the best on the market; \$6.50 per 100. All fine, healthy plants. Cash. W. E. Hall, Clyde, O.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Polinettias.

Primulas, Etc.

For page see List of Advertisers.

**For List of Advertisers See Page 401**

**DRACAENAS**

The Geo. Wittbold Co.,  
1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway,  
New York, N. Y.  
Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.  
John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.  
Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.  
F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.  
H. M. Totman, Randolph, Vt.  
Maidenhair, Deggei and Fancy Ferns.  
For page see List of Advertisers.  
Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.  
Henry A. Dreer, Philadelphia.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.  
Thos. J. Grey & Co.,  
82 and 83 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.  
German Kali Works, 93 Nassau St.,  
New York.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' GREENS**

George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.  
H. H. Totman, Randolph, Vt.  
For page see List of Advertisers.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.  
J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.  
H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.  
George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.

For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hillinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Red pots, seed pans, etc.  
The Peters & Reed Pottery Co.,  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

**GARDENIAS**

Gardenia Veitchii, the true winter flower-  
ing variety, 4 1/2, 5 and 6 in. pots, well  
branched, ready for setting buds, \$5.00,  
\$7.50 and \$9.00 per dozen. Gardenia For-  
tunei, the large or Camellia flowering  
variety, strong plants from 4 in. pots, \$5.00  
per dozen. Large specimens with from 25  
to 35 growths in 7 in. pots, \$15 per dozen.  
Siebrecht & Son, New Rochelle, N. Y.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

Gladiolus Blooms by dozen, hundred or  
thousand. Trial order, 100 blooms, mixed,  
\$1.00. J. L. Moore, Northboro, Mass.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.

For page see List of Advertisers.

S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.

Foley Mfg. Co., Western Ave., between  
25th & 28th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1183 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1183 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,  
1183 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

B. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Metropolitan Material Co., 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.

I. Cassidy, Summer Ave. and Erie B. R.,  
Newark, N. J.

**GREENHOUSE CONSTRUCTION**  
GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1183 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

I. Cassidy, Summer Ave. and Erie B. R.,  
Newark, N. J.

**GREENHOUSE HOSE**

Anchor grade wears well.  
Mineralized Rubber Co., New York, N. Y.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1183  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HARDY FERNS AND SUPPLIES**

- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Michigan Cut Flower Exchange, 88 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.
- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

**HEATING APPARATUS**

- Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

- Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

- Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.
- The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**HOT-BED SASH**

- The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

- Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arboreascens Grand. Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

- Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co., Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.
- Stumpp & Walter Co., 50 Barclay St., New York.  
Kiln-dried Tobacco Dust.  
For page see List of Advertisers.

**IRIS**

- 500 Pseudo-acorns, 6c; 200 Flayescens, 1000 Mine. Chereau, 3c each. E. F. Dwyer & Sons, Lynn, Mass.
- Iris pallida dubautiana (tree variety), the finest of all the German Iris, price \$12.00 per 100, special price on large lots. Now is the time for planting. Cash with order.  
J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

**JAPANESE PLANTS**

- Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**KENTIAS**

- Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.
- A. Leuthy & Co., Rosindale, Mass.  
For page see List of Advertisers.
- Joseph Hancock Co., Wyncote, Pa.  
Single and Mixed Kentia Plants.  
For page see List of Advertisers.
- The Stearns Horticultural Co., P. O., Chicago, Ill.  
For page see List of Advertisers.

**KENTIAS — Continued**

	Each.	Dz.
Kentia Belmoreana, 6-in.....	\$1.50	\$18.00
" 7-in.....	1.75	21.00
" 8-in.....	2.50	30.00
" 8-in. strong.....	4.00	48.00
" 9-in.....	6.00	
Kentia Forsteriana, 7-in.....	2.50	30.00
" 8-in.....	3.00	36.00
" 8-in. strong.....	5.00	60.00
" 9-in.....	6.00	72.00
Made-up Kentia Forsteriana....	6.00	72.00
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.		

**MASTICA**

- F. O. Pierce Co., 12 W. Broadway, New York.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

- Wm. Elliott & Sons, 42 Vesey St., New York.  
For page see List of Advertisers.
- Use Anglo-American Mushroom Spaw made "Direct from Spores." Write for pamphlet. Anglo American Spaw Co., Kennett Square, Pa.
- Mushroom Spaw, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

- Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hill's, Cincinnati, O.

**NEW AND RARE PLANTS**

- Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

- Kentucky Tobacco Product Co., Louisville, Ky.

**NURSERY STOCK**

- John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.
- Bay State Nurseries, N. Abington, Mass.  
Herbaceous Perennials, Hardy Ornamental Trees.  
For page see List of Advertisers.
- Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.
- P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
Holland Nursery Stock for Forcing.  
For page see List of Advertisers.
- Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.  
For page see List of Advertisers.
- D. J. Twomey, Dept. H, Geneva, N. Y.  
Trees and Plants.  
For page see List of Advertisers.
- American Nursery Co., 150 Broadway, New York, N. Y.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS  
ELI WANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

- J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

- Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.
- Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.
- Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.
- Ordenez Bros., Madison, N. J., Box 105  
For page see List of Advertisers.
- Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.
- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PALMS**

- A. Leuthy & Co., Perkins St. Nurseries, Rosindale, Mass.  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th St., Philadelphia, Pa.  
For page see List of Advertisers.
- Joseph Hancock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PAINT AND PUTTY**

- PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PATENTS**

- Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

- Wm. Mathews, Utica, N. Y.  
Orchid Peat.  
For page see List of Advertisers.
- J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.
- Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

- Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.
- One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.
- PEONIES. Humel, a beautiful pink, \$6 per 100. Ivory, fine white, \$8 per 100. Write for our catalogue of novelties. Wagner Park Conservatories, Sidney, Ohio.

Peonies. Newest of the new, and the standard old varieties. Send for catalog. George Hollis, 128 Hollis St., South Weymouth, Mass.

Peonies, Iris and Phlox. A new catalogue with cultural directions. Cherry Hill Nurseries, West Newbury, Mass.

Peonies, largest collection anywhere, 1200 sorts, big stock of Couronne d'Or, Felix Crousse, O. Demay, etc. C. Betscher, Canal Dover, Ohio.

Peonies, Phlox and Iris. Large roots in great variety. S. G. Harris, Tarrytown, N. Y.

**PHLOXES**

- Phlox, 20 of the best varieties. John F. Flood Co., East St., Dedham, Mass.
- Phlox The Pearl, 1 yr. field clumps, \$3.00 per 100. Norman & Hacker, Painesville, O.
- Phlox Miss Lingard, 1 yr. field grown, \$3.50 per 100; \$3.00 per 1000. Norman & Hacker, Painesville, O.
- Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.
- Field grown, 1500 Stella's Choice, tall, late, white, 150 Pantheon, 100 Cross of Honor, 3c each. E. F. Dwyer & Sons, Lynn, Mass.

**PIPE AND FITTINGS**

- Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.
- Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

- Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

**POT HANGERS**

- Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS**

- The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**For List of Advertisers See Page 401**

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326 Olive St., St. Louis Mo.  
For page see List of Advertisers.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

- Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.
- The E. G. Hill Co., Richmond, Ind. Bride and 'Maid.  
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill. Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- Wood Bros., Fishkill, N. Y. Grafted Roses. Own Roots.  
For page see List of Advertisers.
- Low-budded roses. No. 1, \$95.00; No. 11-12, \$65.00 1000. H. T. Jones, Elizabeth, N. J.
- Roses, strong, own root, 4 inch Chitenay, Killarney, Richmond and 'Maid, 88 per 100. Fine stock. Siebrecht & Son, New Rochelle, N. Y.
- SCALECIDE**
- B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

- T. J. Grey Co., 32 So. Market St., Boston, Mass.  
For page see List of Advertisers.
- Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.
- Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.
- H. F. Michell Co., 1017 Market St., Phila. Cyclamen Seed.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark. Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Richard Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.
- R. & J. Farquhar & Co., 6-7 So. Market St., Boston. Cyclamen Seed.  
For page see List of Advertisers.
- Braslan Seed Growers Co., San Jose Cal  
For page see List of Advertisers.
- H. E. Fiske Seed Co., Faneuil Hall Sq. Boston.  
For page see List of Advertisers.
- O. V. Zengen, Hoboken, N. J. Hardy Garden Carnation Seed.  
For page see List of Advertisers.
- C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.
- Skidelsky & Irwin Co., 144 N. 7th St., Philadelphia.  
For page see List of Advertisers.
- Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harri-son's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SMILAX**

R. Vincent Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

Smilax, strong, from 2-12 inch; \$2.50 per 100. Cash. L. E. Marquisee, Syracuse, N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Horrell, Summit, N. J.

We have a large stock of fresh gathered sphagnum. Sample bale shipped on request to prove the quality and quantity. The Ocean Co. Moss & Peat Co., No. 11, Waretown, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.

**STRAWBERRY PLANTS**

R. & J. Farquhar & Co., 6 and 7 So. Market St., Boston. Pot-Grown.  
For page see List of Advertisers.

C. S. Pratt, Reading, Mass.

**SULFUR BURNER**

Benj. Dorrance, Rose Growers, Dorranceton, Pa.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J. Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**TROLLIUS**

1000 Trollius Europaeus, \$5.00 per 100. L. P. Dwyer & Sons, Lynn, Mass.

**VENTILATING APPARATUS**

- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- The Advance Co., Richmond, Ind.  
For page see List of Advertisers.
- Quaker City Machine Co., Richmond, Ind. 20th Century Ventilating Arm.  
For page see List of Advertisers.
- VENTILATING MACHINERY**, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

**VIOLET PLANTS**

Chas. Black, Hightstown, N. J. Field Grown Violets.  
For page see List of Advertisers.

Field-grown Violet Plants, large and fine clean stock, Campell, Princess of Wales and Gov. Herrick, \$4.50 per 100. Cash with order. R. Engelman, Pitts-field, Mass.

**WIRED TOOTH PICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

- Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Welgel & Ujfalussy, 136-138 W. 28th St., New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.
- Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

**WHOLESALE FLORISTS****Boston**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

- Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

**New York**

- J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.
- Ford Bros., 48 W. 28th St., New York  
For page see List of Advertisers.
- H. E. Froment, 57 W. 26th St., New York.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— New York—Continued

- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 89 W. 28th St., New York  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.

### Philadelphia

- W. E. McKissick, 1619-1621 Banstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### Pittsburg

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo  
For page see List of Advertisers

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax; Log Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

#### BEST FRENCH IMMORTELLS.

- M. Rice & Co., 1220 Race St., Philadelphia.  
For page see List of Advertisers.

#### CALLA BULBS.

- A. Mitting Calla Lily Bulb Co., Santa Cruz, California.  
For page see List of Advertisers.

#### CHRISTMAS FLOWERING SWEET PEAS.

- H. E. Fiske Seed Co.,  
15 Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

#### CINERARIAS.

- Louis Schmutz, Flatbush, Brooklyn, N. Y.  
For page see List of Advertisers.

#### DUTCH BULBS AND FLORISTS' SUPPLIES.

- T. J. Grey & Co., 32 and 33 So. Market St., Boston.  
For page see List of Advertisers.

#### GALAX, FERNS, LEUCOTHOE.

- No. Carolina Evergreen Co., Banners Elk, North Carolina.  
For page see List of Advertisers.

#### GREENHOUSE GLASS.

- Parshelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

#### HARDY PHLOX.

- Henry A. Dreer, 714 Chestnut St., Philadelphia.  
For page see List of Advertisers.

#### MIGNONETTE SEED.

- R. & J. Farquhar & Co.,  
6 and 7 So. Market St., Boston.  
For page see List of Advertisers.

#### NOTABLE AUCTION SALE.

- Wm. Elliott & Sons, 42 Vesey St., New York.  
For page see List of Advertisers.

#### PEERLESS GLAZING POINT.

- Henry A. Dreer, 714 Chestnut St., Philadelphia.  
For page see List of Advertisers.

#### STANDARD FLOWER POTS.

- Whilldin Pottery Co., Philadelphia.  
For page see List of Advertisers.

#### WHOLESALE FLORISTS.

- Greater New York Florists' Association,  
162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.

#### WINTER FLOWERING SWEET PEAS.

- H. F. Mitchell Co., Philadelphia.  
For page see List of Advertisers.

### WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

### HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

### SITUATIONS WANTED

WANTED SITUATION—As forester or park foreman. Good references. Address B, care HORTICULTURE, 11 Hamilton Place, Boston.

SITUATION WANTED in general greenhouse work or florist store. Life experience; age 35. Address N. J., care HORTICULTURE.

### FOR SALE

FOR SALE—First-class florist store and greenhouses stocked with decorative plants, chrysanthemums, callas, and bulbs for forcing, asparagus, etc., with a good paying established retail trade, situated in the center of a 28,000 populated city near Boston. Lease can be had from one to five years, with option to buy. Store has one living room and bath. Everything modern. Only reliable parties need apply. Address Plants, care HORTICULTURE.

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

### FOR LEASE

FOR LEASE—Greenhouses, well established; stocked, and all in good condition; plenty of land for growing. Murdoch, Grigg St., Cambridge, Mass.

## READY NOW

PTERIS TREMULA and PTERIS ARGYREA  
Strong 2½ inch pot plants, \$2.50 per 100, \$20.00 per 1000.

ADIANTUM CROWEANUM  
Beautiful 4 inch pot plants, fine for cutting, pot sales or forcing, \$2 per 100, \$20 per 1000.

ARAUCARIAS  
Never fails to flower. 12 inch pot plants, 12 inch high, 3 tiers, 6 inch pot plants, 14 inch high, 3 and 4 tiers, 4 inch pot plants, 12 inches high, 1 tier, 20.

PRIMULA SINENSIS  
Fine strain, 2½ inch pots, \$2 per 100.

PRIMULA OBSCURICA  
14 inch White, Pink and Red at \$2.50 per 100.

PANDANUS UTILIS  
2½ inch pots, \$2 per 100, 4 inch pots, \$1.50 per 100.

SMALL FERNS for dishes.  
Extra fine stock, all varieties, 2 inch pots, \$2 per 100, \$20 per 1000.

BOSTON FERN  
From bench, ready for 4 inch pots, \$10.00 per 100, 2 inch pots, \$15.00 per 100, 3 inch pot size, \$25.00 per 100.

FICUS ELASTICA  
4 inch pot, 12 to 14 inches high, \$25 per 100; 2 inch pots, 20 inches high, \$20 per 100.

KENTIA BELMOREANA  
2½ inch pot plants for centers of ferneries, \$7 per 100.

THE STORRS & HARRISON CO.,

PAINESVILLE, OHIO

## Anything of Value

to the profession

## CAN BE SOLD

through advertising in

## Horticulture



## List of Advertisers

Page	Page
Advance, The Co. .... 403	McKissick, W. E. .... 392
Altimo Culture Co. .... 393	McManus, Jas. .... 394
American Nursery .... 376	Meyer, J. C. & Co. .... 387
Aschmann G. .... 374	Michell H. F. Co. 389-401
Atlanta Floral Co. .... 390	Michigan Cut Flower
Bambrick Thos. H. .... 400	Exchange. .... 395
Barrows H. H. & Son. .... 374	Midgley L. C. .... 375
Bassett & Washburn. .... 375	Millang Bros. .... 394
Bayersdorfer H. & Co. 391	Mitting, A. .... 387
Bay State Nurseries. .... 376	Moninger J. C. .... 401
Beaven E. A. .... 392	Moore, Hentz & Nash 394
Berning H. G. .... 395	Morse C. C. & Co. .... 386
Black Chas. .... 375	Murdoch J. B. & Co. .... 392
Boddington A. T. .... 387	Murray Samuel .... 390
Boston Florist Letter	New England Nur-
Co. .... 395	series. .... 385
Boston Plate and Win-	Niessen Leo Co. .... 392
dow Glass Co. .... 402	North Carolina Ever-
Bosch, Felix. .... 387	green Co. .... 392
Bostrom-Brady Mfg.	Oechslin Frank .... 374
Co. .... 393	Ordonez Bros. .... 387
Braslan Seed Growers	Ouwkerk P. .... 376
Co. .... 389	Pacific. .... 385
Breck Joseph & Sons 389	Palethorpe P. R. Co. 401
Breitmeyer's J. Sons 390	Park Floral Co. .... 390
Bridgeman's Seed	Parshelsky Bros. .... 402
Warehouse. .... 389	Payne John A. .... 402
Budlong J. A. .... 392	Pennock-Meehan Co. 392
Burpee W. A. & Co. .... 389	Perkins St. Nurseries. 374
Carrillo & Baldwin .... 387	Pierce F. O. Co. .... 402
Castle Co. .... 402	Pierson, A. N. .... 374
Chicago Carnation	Pierson F. R. Co. .... 374
Co. .... 375	Pierson U Bar Co. .... 404
Clarke's David, Sons, 390	Playdon J. H. .... 375
Cleary's Horticultural	Peehlmann Bros. Co. .... 374-375
Co. .... 376	Pratt B. G. .... 401
Cohanzie Carnation	Pulverized Manure Co. 389
Greenhouses. .... 375	Quaker City Machine
Cook H. A. & Son. .... 395	Co. .... 402
Cotsonas Geo. & Co. .... 375	Quinlan P. R. .... 375
Cowee W. J. .... 395	Kaynor John L. .... 394
Craig, Robt. Co. .... 374	Reed & Keller. .... 394
Crawback Geo. W. .... 395	Reinberg Peter. .... 392
Dingee & Conard Co. 376	Ribsam Carlman. .... 376
Doane Geo. B. & Son. 403	Rice Bros. .... 392
Dorner F. Sons & Co. 375	Rice M. & Co. .... 383
Dreer H. A. .... 385-401	Richards Bros. .... 389
Dunlop John H. .... 390	Robinson H. M. & Co. 392
Dysart R. J. .... 395	Rock Wm. L. Flo. Co. 390
Edwards Folding Box	Roehrs Julius Co. 387
Co. .... 392	Roper Albert. .... 375
Elliott Wm & Sons 388-389	Roland, Thomas. .... 375
Elm City Nurs'y Co. 376	Rolker August & Sons 402
Euler J. G. .... 402	Rose Hill Nurseries. 387
Ernest W. H. .... 402	Sander & Son. .... 387
Eyres. .... 390	Schulz Jacob. .... 391
Farquhar R. & J. & Co. 388	Schm. z. Louis. .... 385
Fenrich J. S. .... 394	Scott, John. .... 374
Fiske, H. E. Seed Co. .... 388-401	Sharp, Partridge & Co. 402
Foley Mfg. Co. .... 403	Sheridan W. F. .... 394
Ford Bros. .... 394	Siggers & Siggers. .... 403
Froment H. E. .... 394	Situations & Wants. 400
Galvin Thos. F. .... 390	Skidelsky & Irwin Co. 389
Green Chas. H. .... 375	Smyth Wm. J. .... 390
Greater N.Y. Florists' Association. .... 395	Standard Plate Glass Co. .... 402
Grey T. J. Co. .... 389	Stearns A. T. Lumber Co. .... 403
Gude Bros. Co. .... 390	Storrs & Harrison Co. 400
Guttman Alex. J. .... 394	Stumpp & Walter Co. 401
Hall Asso. .... 402	Thorburn J. M. & Co. 389
Haines, J. E. .... 375	Tolman H. M. .... 374
Hartmann Hjalmar & Co. .... 383	Totty Chas. H. .... 375
Hauswirth M. C. & J. E. 390	Traendly & Schenck. 394
Heacock Joseph. .... 376	Twomey D. J. .... 376
Herbert David & Son. 387	Valentine, J. A. .... 390
Hews A. H. & Co. .... 402	Velthuyts K. .... 387
Hilfinger Bros. .... 402	Vincent R. Jr. & Sons, 375-388
Hill, The E. G. Co. 376-385	Waterer John & Sons. 376
Horan E. C. .... 394	Weathered Co. .... 404
Houghton & Clark. .... 390	Weber F. C. .... 390
Hunt E. H. .... 401	Weeber & Don. .... 387
Jacobs S. & Sons. .... 403	Welch Bros. .... 375-382
Kessler, P. F. .... 394	Weigel & Uhlassy. .... 384
King Cons. Co. .... 402	Whildin Pottery Co. 400
Kroeschell Bros. Co. 403	Wilson. .... 390
Kuebler Wm H. .... 395	Winterson, E. F. Co. 382
Lager & Hurrell .... 387	Witthold Geo. Co. .... 374
Langjahr, Alfred H. .... 364	Wood Bros. .... 385
Leuthy A. & Co. .... 374	Woodrow, Sam'l A. .... 385
Lord & Burnham Co. 404	Worcester Conserva-
Lutton W. H. .... 403	tories. .... 375
Manda Jos. A. .... 387	Yokohama Nursery Co. 38
MacMulkin E. A. .... 390	Young John. .... 38
Mathews Wm. .... 387	Young & Nugent. .... 390
McCarthy N. F. & Co. .... 391-395	Zangen O. V. .... 389
McConnell Alex. .... 390	Zinn Julius. .... 390
McKellar Charles W. 392	Zvolanek A. C. .... 389

?

Is Your Name In The Above List? If Not, Why Not?

NOW IS THE TIME TO USE



Pat'd  
Mar. 26,  
1901.

## DREER'S Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Galvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

### BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

### IF YOU ARE BUILDING

Let us know the thickness of glass you intend using and we will send samples of the size point needed.

HENRY A. DREER, 714 CHESTNUT ST., PHILADELPHIA, PA.

### DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.

### NEWS NOTES.

The Ill. Malleable Iron Co., Chicago, is preparing to erect a large six story building to increase its present capacity for manufacturing boilers, etc.

Joseph P. Brooks, who for some time has rented Geo. Harris' greenhouse at Morton Grove, Ill., has now completed three large carnation houses. The new houses are also at Morton Grove.

Michael Angelsberg, for 12 years foreman of Calvary Cemetery Association of Chicago, has completed a range of six modern houses at the corner of Oakton and Railroad avenues. He will grow flowers for cemetery use and place the balance on the Chicago market.



## The Best Bug Killer and Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

### DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

In ordering goods please add "I saw it in HORTICULTURE."

### GREENHOUSES BUILDING OR CONTEMPLATED.

Findlay, O. J. J. Wadland, one house.  
 Altoona, Pa. Two houses, each 200 ft. long.  
 Coldwater, Mich.—D. Voght, house 22 x 90.  
 Baldwinville, Mass. W. E. Robie, one house.  
 Wolfboro, N. H. G. P. Gridley, improvements.  
 Middlebury, Vt. Page E. Potter, house 75 x 90.  
 Fayetteville, N. Y. L. R. Bell, improvements.  
 Goshen, Conn.—Edw. Harkness estate, one house.  
 Belleville, Ill.—St. Clair Floral Co., range of houses.  
 Schenectady, N. Y. E. V. B. Felt-housen, one house.  
 London Grove, Pa. B. Walton, two houses, each 60 x 105.  
 Monongahela, Pa.—I. S. Crall Co., house 40 x 125. J. A. Keeney, house 10 x 80.

### NEW HEATING APPARATUS.

E. A. Corson, E. Rochester, N. H., has installed new heating apparatus.  
 The new boiler house of A. M. York, Ripley, Mich., has concrete walls 16 feet high.  
 Wm. Livesey, New Bedford, Mass., new No. 5 Kroeschell boiler. He is building a new boiler room.

### LIST OF PATENTS.

896,701. Plant-Stake. Edgar Austin, Suffield, Conn.  
 897,006. Wire Support for Plants. Otto A. Muller, Ambler, Pa.  
 897,456. Combined Fertilizer-Distributor and Cultivator. Eugene M. Cole, Charlotte, N. C.  
 897,650. Insect-Exterminator. Grant T. Patten, Piqua, Ohio.  
 897,695. Process of Making Fertilizers. John R. Young, Norfolk, Va.  
 897,760. Plant Shield for Lima Beans. John Martin, Irvington, N. Y.

## GREENHOUSE GLASS

**JOBBER AND DEALERS IN  
Plate and Window Glass**

Write for Our Prices

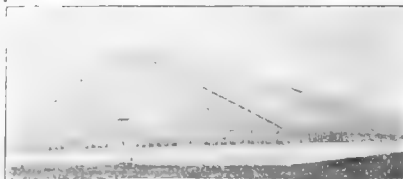
**PARSHELSKY BROS.**

59 Montrose Ave., BROOKLYN, N. Y.

**MASTICA**  
 FOR Greenhouse Glazing  
**USE IT NOW.**  
**F. O. PIERCE CO.**  
 12 W. Broadway and  
 227 Greenwich St.  
**NEW YORK**

## JOHN A. PAYNE GREENHOUSE Designer & Builder

260-274 Culver Ave.  
JERSEY CITY, N. J.



**IRON FRAME  
SEMI-IRON FRAME  
TRUSS ROOF  
WOOD FRAME**  
**Material Only or Erected**  
 Everything for the Greenhouse

**Evans 20th Century Arm**  
 Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.  
*Write for free Catalogue to*  
**QUAKER CITY MACHINE CO.**  
 Richmond, Ind.

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

**GLASS** Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
 22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

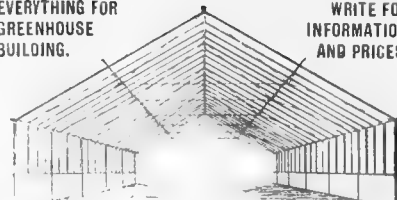


**BOSTON PLATE & WINDOW GLASS CO.**  
**GREENHOUSE GLASS**  
 German and American

261 to 287 A St., Boston 20-22 Canal St.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses. King Gutters and Eaves.  
 Trussed Roofs. Ventilating Machinery.  
 Trussed Iron Frame Houses.  
 Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
 NORTH TONAWANDA, N. Y.

## Are You Building NEW GREENHOUSES Or Making Improvements In Your Heating Outfit?

Don't overlook the advantages of forced circulation. Send us a Postal giving your address and we will tell you how to increase efficiency and economy.

**THE CASTLE COMPANY**  
 Heating Engineers  
 170 Summer St. . . Boston

## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
2500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 4 1/2 " " "	5.25	60 8 " " "	3.00
1300 2 1/2 " " "	6.00	<b>HAND MADE</b>	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
144 6 " " "	3.16	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y.  
 August Holker & Sons, Agts., 81 Barclay St., N. Y. City.

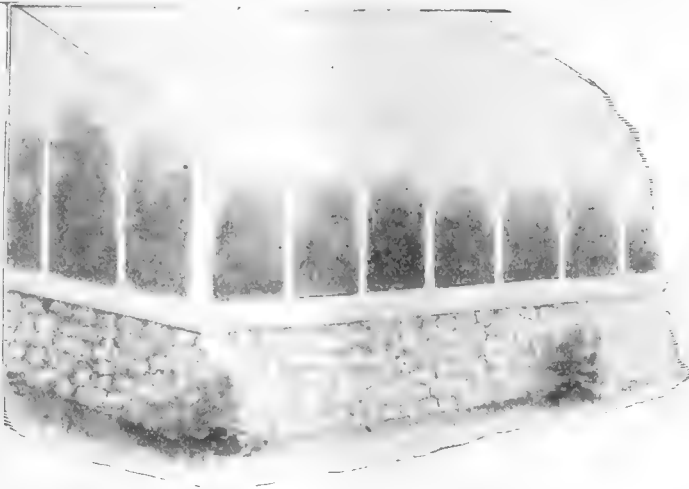
## Standard Flower . . POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

**The FLORISTS' HALL ASSOCIATION  
OF AMERICA, insurer of 29,000,000  
sq. ft. of glass.** For particulars address  
**John C. Esler, Sec'y, Saddle River, N. J.**

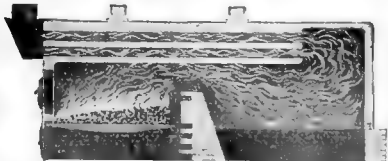


## Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



## The Advance Ventilating Apparatus

is the best on the market. Prices range from \$13.00 on up. Neat, strong and made of the best material and in a mechanical manner, it pleases every customer. Give us a chance to estimate on your needs in our line. Free circulars.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

**CHICAGO**

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

**HOT BED SASH**

**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

## GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

## PATENTS

Trademarks and Copyrights

Send you business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

**S. JACOBS & SONS**  
Manufacturers of GULF CYPRESS

## GREENHOUSE MATERIAL

**HOT-BED-SASH & FRAMES**

Jobbers in **Boilers-Pipe-Fittings** and

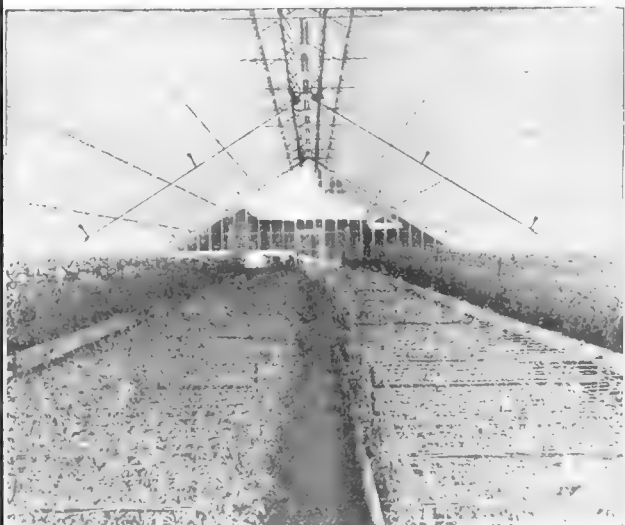
**GLASS** on which we can quote attractive prices. Disc on large quantities.

We furnish everything for Greenhouse Building  
**1365-1379 Flushing Avenue**  
**BROOKLYN, - NEW YORK**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33.13 FEET WIDE

Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789

NEW YORK CITY, N. Y.



## ANY FITTING FOR ANY PLACE



If you are going to order — order now, and don't do it in dribbles!



If you are going to need pipe fittings, some hooks, chairs and sleeves, get them all at once, then the job won't be held up because you held back your ordering. Fittings that fit are the kind you'll get. Prices right. And if you want anything else, remember that we make every part of a greenhouse but the glass. We sell any part.



*Our Handy Hand Book shows our fittings. If you haven't one of these books, send for a copy.*

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
819 Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## THE GREATEST GROWING HOUSES

The U-Bar greenhouse is absolutely different from any other construction. It is a construction built on entirely different lines, from top to bottom. A construction that makes a house of unequalled lightness, producing the best possible growing conditions. It is the simplest, most enduring house. The catalog goes into every detail. Send for it.

*The ideal construction for private estates, parks, public institutions and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. SEPTEMBER 26, 1908 No. 13



HOME GROUNDS OF A WORKING LANDSCAPE GARDENER.

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00



# A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants, 2¼ inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### I HAVE JUST RETURNED

from my annual business tour of the European sources of supply and can offer **Bargains in Kentias and other Decorative Plants**, all sizes. Also the following at **Lowest Import Prices**. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengerii. Also a large collection of small ferns for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

### JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2830 Bedford BROOKLYN, N. Y.

### NEP. WHITMANI

2¼ in., \$5.00 per 100

### NEP. WHITMANI

3½ in., \$25.00 per 100

### BOSTON FERNS

2¼ in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

### DECORATIVE PLANTS

*Araucaria Excelsa*, *Pandanus Utilis*, *Dracaena Indivisa*, *Kentias*, *Latanias*, *Arecas*, Etc.  
Perennials and Shrubs.

Send for our price list. We have a complete stock

### The Geo. Wittbold Co.

1657 Buckingham Place,

Chicago, Ill.

*SMILAX*, 2-inch, \$2.00 per 100. *SPRENGERII*, 2-inch, \$2.50 per 100, \$22.00 per 1000; 3-inch, \$3.50 per 100. *ASPARAGUS PLUMOSUS*, 2-inch, \$3.00 per 100; \$25.00 per 1000; 6-inch, \$15.00 per 100

**POEHLMANN BROS. CO.,**

Morton Grove, Ill.

### WILD

### Hardy Maidenhair Ferns

Can supply in limited quantities, very fine clumps for fall planting **freshly dug** for each order from the deep woods on the Green Mts. of Vt. Write for prices, stating quantity.

**Fresh Dagger and Fancy Ferns** picked for each order \$1 per 1000. Also **Princess Pine** and **Evergreen** for roping, 7c. per lb.

**H. M. TOTMAN, - RANDOLPH, VT.**  
References: Randolph Nat'l Bank, Randolph Board of Trade; Bradstreets.

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

### FRANK OECHESLIN

2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

### A. N. PIERSON, Inc.

#### CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

### ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

# PEONIES

Special Prices for  
September Delivery.

We offer for delivery during September the following select list of **HARDY HERBACEOUS PEONIES**, of which we have an exceptionally large stock of our own growing, strictly true to description; all in strong divisions, with from 3 to 5 eyes each.

Note reductions in price of many of the higher class varieties compared to former offers.

	Per doz.	100	1000
<b>Alba Plena</b> —A useful white cut flower variety	\$1.50	\$10.00	\$50.00
<b>Andre Lauries</b> —A fine tyrian rose, late	.85	6.00	50.00
<b>Alex. Verschaffelt</b> —Bright reddish violet tipped white	2.00	15.00	
<b>Amabilis Lilacina</b> —Pale lilac white, changing to pure white	.85	6.00	50.00
<b>Baroness Rothschild</b> —Violet rose, with lighter shadings	1.25	8.00	75.00
<b>Bicolor</b> —Violet rose, with white center	.85	6.00	50.00
<b>Chrysanthemiflora Rosea</b> —A fine large deep rose-pink, with paler shadings in the center, early	.85	6.00	50.00
<b>Duc de Gages</b> —Guard petals tyrian rose, center soft rose-pink. A beautifully formed flower	1.25	8.00	75.00
<b>Duchesse de Nemours</b> —An extra fine large pure white	3.50	25.00	
<b>Delachel</b> —Brilliant crimson maroon, late	1.50	10.00	40.00
<b>Festiva Maxima</b> —Pure white, center petals occasionally tipped red. This is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
<b>Festiva Alba</b> —Popular white for cutting	1.50	10.00	90.00
<b>Floral Treasure</b> —Clear pink; fragrant	2.50	20.00	
<b>Grandiflora Alba</b> —Large pure white, with creamy white center	2.00	15.00	
<b>Grandiflora Rosea</b> —Bright rosy carmine, large and double	2.50	20.00	
<b>Grandiflora Rubra</b> —Deep crimson carmine, large and full	1.75	12.00	
<b>Humei Rosea</b> —Beautiful pale rose, flowers of immense size; late	1.50	10.00	90.00
<b>Lady Bramwell</b> —A beautiful silvery rose of large size and fine form	1.50	10.00	40.00
<b>Louis Van Houtte</b> —Brilliant crimson maroon of good size	1.50	10.00	90.00
<b>Ne Plus Ultra</b> —Violet rose guard petals, mauve rose center	1.00	7.00	60.00
<b>Pottsi Rosea</b> —Light solferino red, with lighter center. A medium-sized but well-built flower	1.50	10.00	90.00
<b>Prolifera Tricolor</b> —Fresh white with amber yellow center	1.25	8.00	75.00
<b>Psyche</b> —Bright violet rose, with lighter center	.85	6.00	50.00
<b>Rosea Superba</b> —Fine silvery rose of large size	1.25	8.00	75.00
<b>Reine des Roses</b> —Soft violet rose, large double flower	2.00	15.00	
<b>Rosea Elegans</b> —Guard petals silvery rose, creamy white center suffused with rose; a fine large flower	1.25	8.00	75.00
<b>Victoire Tricolore</b> —Guard petals delicate lilac rose, center light salmon yellow	1.25	8.00	75.00
<b>Victoire Modeste</b> —Bright lilac rose, with full center of amber white	1.50	10.00	90.00
<b>Whitley Plena</b> —A fine early white	1.50	10.00	90.00
<b>Zoe Calot</b> —White, suffused with delicate rose	1.50	10.00	90.00



Peonies in Mixture

	Per doz.	100	1000
<b>Officinalis (Mutabilis) Alba</b> —Blush white	\$1.50	\$10.00	\$50.00
<b>Officinalis (Mutabilis) Rosea</b> —Soft pink	1.50	10.00	
<b>Officinalis Rubra</b> —Crimson	1.00	7.00	
<b>Tenuifolia flore plena</b> —Crimson	3.00	22.50	

	Per doz.	100	1000
<b>Double White</b> (mixed sorts)	\$6.85	\$6.00	\$50.00
<b>Double Pink</b> (mixed sorts)	.75	5.00	40.00
<b>Double Red</b> (mixed sorts)	.85	6.00	50.00
<b>Double Mixed</b> (all colors)	.75	5.00	40.00
<b>Single Mixed</b> (all colors)	1.25	8.00	75.00
<b>Single Pink</b> (mixed sorts)	.35	6.00	50.00

For a complete list of Hardy Plants suitable for fall planting, including our specialties, **Phlox, Iris, Tritomas, Anemones, etc.**, see our **Fall catalogue**. If you have not received a copy, write for same.

**HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.**

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubbery in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.  
White Spruce, 3-4, 4-5, and 5-6 ft.  
Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.  
Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.  
White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

The New England Nurseries, Inc.  
BEDFORD, MASS.

## GRAFTED ROSES

Special Bargain Sale  
EXTRA FINE STOCK

KILLARNEY, CARNOT, KAISERIN, BRIDE, BRIDESMAID, LA FRANCE

From 3-inch Pots. \$2.00 per doz. \$10.00 per 100. \$50.00 per 1000

Strong OWN ROOT Plants.

KILLARNEY, KAISERIN, RICHMOND, PERLE

From 3-inch Pots. \$7.00 per 100

BRIDE, BRIDESMAID,

From 3-inch Pots. \$5.00 per 100. \$50.00 per 1000  
FIELD GROWN CARNATIONS HEALTHY STOCK

Per 100 Per 1000  
Windsor and White Enchantress... \$8.00 \$75.00  
Helen M. Gould... 6.00 50.00  
Lady Bountiful... 6.00 55.00

WOOD BROTHERS, Fishkill, N.Y.

In writing to Advertisers kindly mention Horticulture

**FIELD GROWN CARNATIONS**

5000 FAIR MAID  
500 each QUEEN, CRAIG,  
ELBON

100 each PATTEN, IMPE-  
RIAL, PINK IMPERIAL,  
GOV. ROOSEVELT

All at \$6 per 100, \$50 per 1000

500 AFTERGLOW  
\$14 per 100. Fine Stock

Winter flowering Sweet Pea Seed  
now ready. Send for List.

CHARLES H. TOTTY, Madison, N. J.

**FIELD GROWN CARNATIONS**

Shipped Direct from the Grower

<b>WHITE</b>	Per 100	1000
White Enchantress .....	\$8.00	\$70.00
Queen Louise .....	6.00	50.00

<b>PINK</b>		
Splendor .....	12.00	100.00
Rose Pink Enchantress.....	7.00	60.00
Enchantress .....	6.00	50.00

**WELCH BROS.**  
226 Devonshire St., Boston, Mass.

**CARNATIONS**

Large, Healthy Plants

FIELD GROWN

Lawson, Boston Market, Fair Maid,  
Helen Goddard

\$5.00 per 100 \$45.00 per 1000

H. A. COOK & SON, Shrewsbury, Mass.

**Asparagus and Carnations**

200 Plumosa in 4 in., \$10. 1000 Pros-  
perity, \$4. 1000 Lawson, \$4 and \$5.  
500 Fair Maid, \$4 and \$5.

**WORCESTER CONSERVATORIES**  
L. C. MIDDLEBURY, PROP. Worcester, Mass.

**ANDREW CARNEGIE  
SCARLET HARLOWARDEN**

FINE PLANTS

\$12.00 per 100, \$100.00 per 1000

**CHICAGO CARNATION CO.**  
A. T. PYFER, Mgr. JOLIET, ILL.

**Field Grown CARNATIONS**

Harry Fern, Fair Maid, Nelson Fisher, \$5  
per 100. 200 Lady Bountiful, \$4 per 100.  
Nelson Fisher, Major, White Lawson, sec-  
ond size, \$3 per 100.

CHAS. H. GREEN, Spencer, Mass.

**GERANIUMS OUR SPECIALTY**

is growing Gerani-  
ums in 2 in. pots;  
we have a fine lot ready for immediate shipment in a collection that is second to none in  
the country. We have good Standard sorts such as Alp. Ricard, S. A. Nutt, La  
Pilote, Thos. Meehan, Centaure, Mme. Landry, General Grant, Mrs. E. G.  
Hill, Jacquerie, at \$2.00 per 100. Berthe de Presilly, E. H. Trego, Marquise  
de Castellane, Peter Henderson, at \$3.00 per 100.

**SPECIAL OFFER** for this week only, — Ivy Geraniums in 4 varieties sent  
prepaid for \$3.00.

**SPECIAL PRICE LIST** for October and November delivery now ready.

We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, all good  
plants from 2 inch pots; would make a fine stock for Christmas.

**SMILAX**, extra strong, \$2 per 100; \$18 per 1000.

R. VINCENT JR. & SONS CO., - - - WHITE MARSH, MD.

**BAY STATE**

The big sensation of  
all the recent Carna-  
tion Shows. A noble  
flower, white with  
carmine markings.

Now Booking Orders for Next January Delivery.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

**NEW RED CARNATION O. P. BASSETT**

Extra Large Bright Red Free Bloomer

Rooted Cuttings, per 1000, \$60.00	Rooted Cuttings, per 100, \$8.00	Rooted Cuttings, per 25, \$2.50
per 500, 35.00	per 50, 4.50	per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.**

**SURPLUS CARNATION PLANTS**

UPLAND GROWN, NEW SOIL, NO DISEASE

500 The Queen, 200 White Lawson,  
200 Red Lawson, 200 Prospector, 100  
Fair Maid, 150 Lord, 150 Queen Louise.

\$5.00 per hundred

COHANZIE CARNATION GREENHOUSES, New London, Conn.

**CARNATIONS**

7500 Extra Fine Plants from field,  
consisting of Enchantress, Lady Bountiful,  
Lawson, Harlowarden, Boston Market, Crim-  
son Glow and Fair Maid. **Special Prices**  
**to close out quickly.**

P. R. QUINLAN, SYRACUSE, N. Y.

**FIELD-GROWN VIOLETS**

Strong, healthy plants of California (single),  
\$2.50 per 100; \$20.00 per 1000. Campbell, No.  
1, \$2.50 per 100; \$20.00 per 1000. No. 2, \$1.50  
per 100; \$15.00 per 1000. Packed to carry safely,  
by express.

CHAS. BLACK, Hightstown, N. J.

**Gloire de Lorraine Begonia**

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

**CARNATIONS**

Winona, Pure Pink, strong, healthy field-  
grown plants, for immediate shipment, \$12  
per 100; \$100 per 1000.

**F. DORNER & SONS CO.**  
La Fayette, Ind.

**JOHN E. HAINES**

Bethlehem, Pa.

Imperial variegated	Per 100	Per 1000
Pink Imperial, Pink	\$6.00	\$50.00

Place your orders early for Jan. delivery.

Cash with order please.

**FIELD GROWN CARNATIONS**

Strong, healthy plants, no better for the money. Special  
care in packing.

Queen	\$4	\$35	Harlowarden	\$3	\$25
Fair Maid	4	35	Estelle	4	35

Also Christmas Peppers, 3 in., strong and well  
berried, \$4 per 100. Smilax, 2 1/2 in., at \$1.25 per 100.

Cash with order please.

MOORE BROS., 624 E. Market St. Scranton, Pa.

**ZIRNGIEBEL'S FINE STRAIN**

OF

**PANSY PLANTS**

NOW READY. Known for a quarter of a  
century.

AUGUSTUS ZIRNGIEBEL,  
Cash with the order. NEEDHAM, Mass.

**In writing to Advertisers kindly mention Horticulture**

# Horticulture at the Franco-British Exhibition

NO. II.

THE FRENCH GARDEN

We should be sorry to offend the susceptibilities of our fellow countrymen but *magna est veritas, et praevalerebit*. The French garden at the Franco-British Exhibition is unquestionably the finest bit of horticultural work there and a complete contrast to the so-called English garden of which a few notes will be sent later on. Although the Elite gardens are entirely made up of exhibits from Frenchmen the one now under consideration is specially known as "the French Garden," it having been designed and laid out by M. Vacherot, the head gardener to the City of Paris and the horticultural superintendent of the Paris 1900 International Universal Exposition. We offer him here our sincere compliments on his talent which has been ably supported by the exhibitors.

As we leave the Elite gardens we pass under the archway by the side of the Restaurant Paillard, cross the Avenue of Progress and find ourselves in front of a large open space of rectangular form flanked on three sides by the Machinery Halls. A middle path runs from one end to the other, and right and left is a series of geometrical beds and borders laid out with consummate taste and skill. As we enter we find on our right and left two large sunken gardens planted by Vilmorin Andrieux & Co. in the choicest style. They are both identical and a description of one will answer for the other. Each is thirty-eight yards in length by nine yards in width. At intervals on the garden level are huge stone vases on pedestals filled with flowering plants, ivy-leaved pelargoniums and the like. On the inside is a semi-circular stone balustrade occupying the middle half, which is continued to each end by a narrow flower box planted with tropæolums, marguerites, petunias, ageratums and the like. The sides and ends of this sunken garden have grassy slopes upon which have been cut out borders in the form of garlands connected at the end by little circular beds. The garland borders are planted with *Begonia gracilis rubra* and the little connecting beds with bright golden French marigolds. Access to the lower level of the sunken garden is obtained by a flight of steps at intervals, each of which is flanked with zonal pelargoniums and other brightly colored flowers in quantity. On the lower level there is just sufficient gravel path to allow the visitor to inspect the floral design that is cut out on a flat green turf lawn. A most artistic combination of scrolls and fleur de lys comprises the design which at a little distance looks like a handsome piece of carpet bedding. *Begonia gracilis rubra*, and several others are freely employed to fill the design and blue lobelia in quantity heightens the color effect in a most amazing manner. There are at intervals some fine palms and other ornamental plants which lend an indescribable grace to this high class work of floral art. On the inner side immediately beneath the semi-circular stone balustrade is a little pond filled with water lilies and other aquatics by M. Lagrange.

We mount the steps and again find ourselves on the ground level of the French garden. Proceeding further

down we notice Geo. Bruant of Poitiers has some of his zonal pelargoniums and other flowers in two triangular beds. Away in the distance vases, statuary and fountains are plainly visible to lend a charm and vary the design of the ground plan forming the garden. We pass a sunken garden of circular form the sloping grassy sides clothed with ivy-leaved pelargoniums and the bottom planted with a bed of scarlet zonals and blue ageratums. Around it is a path and beds shaped to fit the circle. Ad. Rothberg has standard and small bush roses in great profusion, so too has Louis Leroy of Angers. Leon Pain has two large lots in horse-shoe beds.

Leveque and Son of Paris exhibit roses a little further down towards the middle. Very fine are Mildred Grant, Mme. Hoste, Suzanne Marie, Prince de Bulgarie, Rosel Klein, Souvenir du President Carnot, Papa Lambert, Mme. Abel Chatenay, Paul Olier, etc.

Another important exhibit in the form of a hollow square comes from Cayeux and Leclerc. A lawn is in the middle and a path between that and the outer edge. Various flowers for culture in the open are here displayed. The same exhibitors stage shrubs in two lots. *Ilex marginata alba*, *Magnolia grandifolia* Exmouth, *Osmanthus illicifolius*, are alternated with foxgloves, funkias, *Anemone Japonica*, *gaillardias* and others.

At the four corners of the middle of this garden caused by a transverse path Abel Chatenay has planted standard and bush formed lilacs in large numbers. Further on towards the end where the outer lawns bend inwards and enclose a water fountain with aquatics shown by M. Lagrange are two groups, one on each side of the entrance, by Croux and Son. These comprise some fine examples of ornamental trees and shrubs, *Enonymus radicans* Silver Gem, *Prunus Pissardi*, *Phillyrea media*, *Cornus Siberica elegantissima*, *Buxus sempervirens compacta*, *B. aurea compacta*, *Negundo elegans foliis marginatis*, *Cedrus Atlantica cœrulea* are the most effective.

Auguste Nonin's two lots bring us to the end. He has two long borders running round the edges of a couple of quaintly shaped grass lawns. The planting of these consists of *Calceolaria Triomphe du Nord*, *Impatiens Oliveri*, *Anthemis floribunda*, *Hydrangea arborescens grandiflora*, *Fuchsia Robt. Blabry* and *F. Ernest Renan*, *Lobelia Deanville*, *Plumbago cœrulea*, *Heliotrope Mathilde Cremieux*, *Lantana Soliel d'Or* and a host of others.

Charman Payne

## Home Grounds of a Working Gardener

The pretty view used as a cover illustration this week was taken in the home grounds of J. H. Troy at New Rochelle, N. Y. It tells its own story and needs no description for the class of readers reached by HORTICULTURE. No better evidence of a man's capability in gardening can be given than may be found about his own home. It is the sort of object lesson which stimulates emulation and inspires confidence that the owner can be trusted to do creditable work elsewhere. The florist or landscape gardener cannot devise a more effective advertisement than to set forth in his place of business and around his home, so far as the available room will permit, the very best that his art can produce.

# HORTICULTURE

VOL. VIII

SEPTEMBER 26, 1908

NO. 13

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00: To Foreign Countries, 2.00: To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass. under the Act of Congress of March 3, 1879.

## CONTENTS

COVER ILLUSTRATION—Home Grounds of a Working Gardener.	
HORTICULTURE AT THE FRANCO-BRITISH EXHIBITION—C. Harman Payne.....	409
HOME GROUNDS OF A WORKING GARDENER....	409
"MY MARYLAND" AND ITS HOME—L. J. Reuter...	411
SCALE OF POINTS FOR FLORAL ARRANGEMENTS .....	411
NEWS OF THE CLUBS AND SOCIETIES:	
Society of American Florists: Freight Concessions on Cut Flowers; The National Flower Show—Chicago Florists' Club—Minnesota State Florists' Association—American Carnation Society—New Orleans Horticultural Society—New England Dahlia Society.....	412
Morris County Gardeners' and Florists' Club—Montreal Horticultural Society.....	413
New London County Horticultural Society—Club and Society Notes—Coming Events.....	414
National Dahlia Society—C. Harman Payne....	416
MUSA CAVENDISHII—Illustrated.....	416
SEED TRADE .....	418
OBITUARY—Miss Emma F. Gill.....	423
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit, Indianapolis, New York, Philadelphia, Washington.....	425
MISCELLANEOUS:	
School Exhibitors .....	414
Fairs and Neighborhood Shows.....	414
An Interesting Carnation Outlook .....	414
Hardy Plant Notes .....	415
A Rose in Every Garden .....	415
Fern Notes .....	416
Florists' Plant Notes by "Wireless" .....	416
"Same Old Story".....	416
Catalogues Received .....	419
Plant Imports .....	419
Reaperaisements .....	419
Personal .....	422
Business Changes .....	422
News Notes .....	423
New Retail Flower Stores .....	423
Personals from Madison, N. J.....	423
Chicago Personals .....	423
Commodore Westcott Gets a Present.....	425
Greenhouses Bldg. in Contemplation.....	427
New Heating Apparatus .....	434
List of Presents .....	434

quiet tables. The exhibition had been the greatest effort of the Society. Their own hall not being large enough Faneuil Hall had been secured for the show which had been truly magnificent and the company brought together by this brilliant event was a most notable one. Marshall P. Wilder sat in the chair as President of the Society. Among the many men about him who had already or who in later years did make for themselves world-wide renown in literature, art or statecraft, were Hon. Robert C. Winthrop, Josiah Quincy, William H. Seward, Gen. Dearborn, Prof. Joel Parker, Epes Sargent, Andrew J. Downing and accredited representatives from many sister societies including the Pennsylvania Horticultural, New Bedford Horticultural and Delaware Horticultural. All these guests and many others made brilliant addresses. The old "Cradle of Liberty" was lavishly decorated for this memorable occasion. Walls and columns were draped and festooned with green and beautiful sentiments from those of the poets who most loved nature and the garden were tastefully embroidered on the walls and time-honored names of botanists, horticulturists and naturalists shone on transparencies along the galleries. An ode was written for the occasion by Mrs. Sigourney and a song also composed for the event by Epes Sargent was sung. Of the latter we quote three stanzas:

"The Winter chill has pleasures still,  
And Spring is fair to see;  
In Summer's heat the groves are sweet,  
But Autumn bold for me!  
With Vine-Leaves on his honest brow,  
And Harvests in his arms,  
He comes, with all of Winter's cheer,  
And all of Summer's charms!

*Chorus*—For there's nae luck about the house,  
There's nae luck at a',  
There's little pleasure in the house,  
If Woman is awa'.

The Flowers and Fruits that deck our board,  
To her a tribute owe;  
From her the Rose steals all its bloom,  
From her the Peach its glow;  
The Lily in her purity,  
May see its own eclipse;  
And where did Cherries take their red,  
If not from Woman's lips?

*Chorus* So there's nae luck, etc.

The purple bloom upon the Grape,  
The Violet's modest hue,—  
Who does not see they've borrowed, both,  
From certain eyes of blue?  
And if the Orange Flower is sweet,  
And if the Hyacinth fair,  
Will any one their lovely tints  
With those we sing compare?

*Chorus*—So there's nae luck, etc.

The eyes of blue of those days and the tongues that sung of their charms have long since turned to dust but the good work still goes on and Horticulture in its most comprehensive sense is still "the Fine Art of common life, distributing its productions with equal hand to the rich and the poor and adorning the humble home as well as the palace, and the humble hearts which it refines and elevates," as no other art can do.

Just six years ago—on the evening of  
An September 22, to be exact—the Massa-  
anniversary chusetts Horticultural Society celebrated  
the close of its twentieth annual exhibi-  
tion with a fete at Faneuil Hall, Boston, in which over  
five hundred ladies and gentlemen sat down to the ban-



### Dahlias on all sides

The dahlia is now in the zenith of its blooming period and in all floral exhibitions occurring about this time the gorgeous many-hued flowers occupy the greater part of the space and, we might add, do it creditably. Of new varieties there is no end and, although some advancement is being made on all the various types on which breeders are working, yet it would seem that in the case of the old show and pompon sections the limit of progress in size, form and color had been about reached. The New England States especially abound in dahlia specialists and it is in this section that the greatest popular enthusiasm exists. The growers are in evidence at all the fairs, the number of named varieties shown by each running far into the hundreds and the boast that at a recent exhibition no less than fifteen hundred varieties were staged is not likely to be gainsaid. That three-quarters of this unwieldy accumulation of varieties might well be dispensed with is undoubtedly true and the sooner the dahlia worshippers commence the weeding-out process the better it will be for their idol.

As a decorative feature of the garden the dahlia has some serious limitations. It must have more attention than the ordinary garden owner is disposed to bestow on his plants, otherwise it is not a particularly attractive object. Its coarse habit of growth, late time of flowering and liability to destruction by early frosts stand against it. As a flower for table decoration, however, for mantels and vases and many other uses in the hands of the florist it possesses qualities which no other flower can rival. Yet, here again, it is at a great disadvantage through blooming at a season when the florist has very little of this sort of work to do and, being dependent entirely upon fickle weather conditions for a supply of dahlia flowers he is prevented from planning ahead for their conspicuous use in any large decorative work. Today, dahlia flowers may be had by the ton weight; tomorrow, blackened and limp, they are down and out and this is one reason, insurmountable thus far, why the dahlia makes so little progress as a commercial florists' staple.

## "My Maryland" and Its Home

When speaking about the several roses to be tried out this year the one which, above all others, is spoken of with unlimited praise is My Maryland. While it is yet too early to say anything definite about the new sorts for this season we can find many promising indications of the popularity of this rose.

A visit to the greenhouses of Mr. John Cook, the originator of My Maryland, is time well spent for all

lovers of roses. Mr. Cook has a neat range of glass situated in a pretty locality in the suburbs of Baltimore. The grounds around his home are very well laid out and he has an ideal home where he can take comfort in his life and his work among his pets.

While walking through the houses with Mr. Cook as a guide one is sure to be interested every step of the way. There are a number of new roses in all stages from first-year trials to those which have been watched for a longer time, and while there are several which show good points, it is not possible at this time to say much definitely concerning the final results. One of his new ones, however, gives a very good impression and it is possible that we may hear from it later on. It is a red one, not too deep, but having plenty of life and the bud is of good size and substance. As seen several weeks ago the habit of the plant was very good and we believe that there are indications now which may lead us to expect to hear from this variety favorably.

My Maryland stands at the head of all varieties which are found growing here. The plants were all in excellent shape, having clean foliage and a very healthy and vigorous growth. There were but a very few being allowed to bloom, but those which we saw were indeed handsome specimens, having good stem, size and coloring, considering the time of the year. One point which stands out very prominently with this rose is its excellent color during all seasons of the year. The excessive summer heat seems to have little effect upon it.

This variety seems to be a very easy grower as it is not subject to any extent to mildew or black-spot, nor does it throw many deformed buds. It is a liberal feeder and wants plenty of water. As seen growing in both light and heavy soils it would seem that it is not at all fussy in either of these, but seems to be ready to grow under all reasonable conditions. On all places where we have seen My Maryland growing, we have found it thus far giving encouraging indications for this winter's work, and it is to be hoped that it is with us to stay.

*Louis J. Peubar*

## Scale of Points for Floral Arrangements

Secretary Dysinger of the Minnesota State Florists' Association transmits to us the following query:

"When floral arrangements such as designs, bouquets, table decorations, etc., are exhibited in competition and judged by points, what is the proper scale of points to use?"

We shall be glad to have the views of our readers on this. Very little of a practical nature on this line has been published hitherto. We should like to hear from anyone having knowledge of the use of a scale of points on any occasion in judging floral arrangements or anyone having suggestions to make as to the qualities that should be given a place in such a scale.

# NEWS OF THE CLUBS AND SOCIETIES.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### Freight Concessions on Cut Flowers.

At the Niagara Falls Convention the subject was brought up of express rates on cut flowers going from North to South, and in general shipping where ice is necessary in warm weather. This matter was referred to the legislative committee and the papers that were read at the session of the Convention have been forwarded to me. The papers so far received are of such general character that in their present form little can be done with them. In shipping fish from a Hudson River point to New Orleans by express, there would be an allowance of 25 per cent. on the gross weight for ice, and after this deduction the charge per hundred weight is \$3.00; on the other hand, if cut flowers are sent no deduction is made for ice but \$4.50 is charged per hundred weight.

What should be done is the revision of classification for long distance shipments. From New York City to Chicago the rate for fish is as follows: 25 per cent. reduction for ice from the gross weight and \$1.90 per hundred weight for the remainder. Over the same line and in the same car a box of cut flowers would go at the rate of \$2.50 gross weight, and at the present time it seems that this is a fair sample of differential charges. What the legislative committee would like is explicit information from any person directly interested and having any experience, as to quantities shipped from given point to given point, over what line, and the weight of the package. I have been speaking with an express manager and he tells me that fish as a commodity is heavy and that flowers for the same cubic space are light, and that where 100 pounds of fish would be in a box, 25 pounds of cut flowers would make a bulk package, and these freighted by weight do not yield the revenue that heavier and coarser goods do. Mr. Edward Reid of Philadelphia has pressed this matter at some length and the committee will endeavor to get the cases into such form that, acting for the S. A. F. as a body, this matter may be laid before the Express Companies' headquarters, where it may receive fair consideration.

BENJAMIN HAMMOND,

Chairman of Committee.

Fishkill-on-Hudson, N. Y.

### The National Flower Show.

Press day for the final edition of the premium list is October first, and before that date all special premium offers which go into this list should be in the hands of the secretary. A list will be published in this book of all subscribers to the guarantee fund who have paid the first assessment, and those who have not paid by October first will be dropped from the list of the guarantee fund by order of the Executive Committee. All who have overlooked paying the 20 per cent. are urged to send their checks to the Treasurer at once. A meeting of the Executive Committee has been

called by Chairman W. F. Kasting to take place in Chicago, Sept. 25. Important matters will be decided, and those members who cannot attend will send in reports to be acted upon.

Very truly yours,

J. H. BURDETTE.

### CHICAGO FLORISTS' CLUB.

A special meeting of the Chicago Florists' Club was called for Friday, Sept. 18th. Its object was a conference with the executive committee of the National Flower Show, but a telegram was received announcing that Mr. Kasting of Buffalo, chairman of the Committee of Fifty, could not be present. No business was therefore transacted other than an informal discussion of the coming show. A great deal of enthusiasm was shown and Pres. Leonard Kill says the members of the Chicago Florists' Club are ready to do their part in making this the best flower show ever held here, which he feels confident it will be. There was a large attendance and much interest shown in the discussions. Mr. Rudd stated that he thought there would not be sufficient room at the Coliseum for properly staging the plants and flowers. It is generally understood that there will be no trade exhibit in connection with the flower show.

### MINNESOTA STATE FLORISTS' ASSOCIATION.

The Minnesota State Florists' Association met on Sept. 15, at Columbia Hall, Midway.

The list of officers as elected for the ensuing year is as follows:

President, Theodore Wirth; vice-president, August S. Swanson; secretary, S. D. Dysinger; treasurer, E. C. Nagel; executive committee, Otto Will, Olaf Olson, James Sanden, J. Jorgenson.

The president was authorized to appoint a committee of five to work out a premium list and attend to matters in general pertaining to the State Fair.

Messrs. Olson and Howland of St. Paul and H. Will and Ruedlinger of Minneapolis are to organize bowling teams in their respective cities. F. J. Mense, of Glen Cove, N. Y., was made an honorary member.

### AMERICAN CARNATION SOCIETY.

#### List of Varieties.

We have received from Secretary A. M. Herr a typewritten list of between eight and nine hundred names of varieties which is probably intended to give a fairly complete list of carnations that have been given names in this country for the past twenty-five years, so far as such could be obtained. We have, however, some doubts as to its value in its present shape, seeing that such well-known varieties as Fair Maid, Mrs. M. A. Patten, Bay State, Helen Goddard, Glendale, Hannah Hobart, Jessica, John E. Haines, White Perfection, Cressbrook, Daheim and Norway and others of lesser note seem to have been overlooked, as they do not appear in the list.

## NEW ORLEANS HORTICULTURAL SOCIETY.

The regular meeting of the New Orleans Horticultural Society was held Thursday, Sept. 18, R. Steckler presiding. J. A. Newsham of the Magnolia Nursery, had rare results of his recent visit to the tropics to show the association. He exhibited two fine specimens of *Odontoglossum grande*, from Guatemala, and *Cattleya Bowringiana*, from British Honduras. Mr. Newsham grew the specimens in his nursery from the plants taken from the tropical countries. He now has 5,000 of the plants in flourishing condition.

Messrs. C. Eble and H. Papworth gave an interesting description of their trip to the S. A. F. Convention at Niagara Falls. President Steckler made his usual gratifying report to the effect that the Society was in a healthy and flourishing condition. The New Orleans Floral Society, through Mrs. B. Williams, sent a check for \$16.95, as that society has decided to disband. Secretary Chas. R. Panter was instructed to write to Mrs. W. J. Behan, the President of the Society, thanking her.

Mr. Newsham resigned as chairman of the arrangement committee of the flower show because of press of business and Mr. Papworth was appointed to succeed him, with Chas. Eble as vice-chairman. The committee on the fall flower show and the committee on the floral exhibit reported satisfactory progress.

The resignation of W. P. McLennon was accepted and the following new members elected: John Herne, H. A. Steckler, and M. J. Gurtler.

CHAS. R. PANTER, Sec.

## NEW ENGLAND DAHLIA SOCIETY.

The prizes were awarded to some twenty-five competitors in the various classes at the exhibition in Boston on which we made a partial report last week. In the seedling competition, "Award of Recognition" was made to W. W. Rawson & Co. for Cactus Dahlia Marblehead and to Wm. H. Richardson for Cactus Dahlia Marion. The Symonds special prizes for 25 assorted were won by W. F. Turner & Co., Dorchester Dahlia Gardens, and F. L. Tinkham. The Amend special for best American seedling was won by George B. Gill. The Manuel prizes for twelve Duke Alexis and twelve Countess of Lonsdale were won by E. W. Ela and Dorchester Dahlia Gardens respectively, the Stredwick prizes for twelve Cactus by N. A. Lindsay and E. F. Dwyer, the Rawson, Michell and Burrell prizes, also the German Dahlia Society's medal for Cactus Dahlias of German origin and the Dobbies medal for the most successful exhibitor, were all taken by W. F. Turner & Co., and the Charmet medal for twelve French went to E. S. Manuel. Henry A. Dreer was given "Honorarium" for his new Show Dahlia Dreer's White. In the regular classes, the above named, also Ed. Lefavour, W. P. Hayden, Johnson & Hall, W. H. Symonds, J. K. Alexander, A. L. Brown and H. F. Burt were the principal winners. Many classes were not competed for.

# TO ALL USERS OF Hardy Ferns and Galax

OWING to unfortunate experience in handling the usual brand of storage ferns and galax we have arranged to handle these specialties direct and store in large quantities and under improved processes. We have already stored several millions of selected ferns and are now prepared to contract for delivery during the coming season of **Best Quality Hardy Ferns, Fancy and Dagger, and Galax Leaves of Highest Grade, Bronze and Green, at Bed Rock Prices According to Quantity Taken.** Write to us before ordering elsewhere and we think we can interest you in our proposition.

**N. F. McCARTHY & CO.,** Largest Shippers of Florist Supplies in New England  
84 Hawley Street, Boston, Mass.

## MORRIS COUNTY GARDENERS' AND FLORISTS' CLUB.

The Morris County Gardeners' and Florists' Club resumed business at the old stand, after the usual summer vacation, on Sept. 9th. President Herbert occupied the chair, and about 35 members were present. Mr. Herbert was requested to tell of his impressions of "Abroad." He responded with a very interesting discourse, and amusing anecdotes of his travels. Flower show discussion was in order and ways and means were fully thrashed out. Prospects for a good show look bright, but as yet we cannot put our finger on who goes in this class or that; everybody is watching and waiting. We look for quite some outside competition, as there have been many requests for schedules. This is just what we want. We should like to fill the hall with exhibits and treat our patrons to a good show, and let the best man win the prize. The class for 100 blooms of carnations in four varieties, \$25.00 one prize, and the Foote prize, open to all, ought to bring us somebody from afar off. E. R.

## MONTREAL HORTICULTURAL SOCIETY.

The Montreal Horticultural Society (Can.) held its flower show at Lyric Hall, September 11, with larger and more artistic displays than ever before. President R. Wilson Smith addressed the gathering, stating that the society was the third oldest of its kind in the world. The principal prize-winners were:

F. C. Smith, gardener to Sir William Van Horne; W. J. Wiltshire, gardener to Mr. R. B. Angus; G. Vrengde, gardener to Mr. C. M. Hays; G. Trussell, gardener to Mrs. J. H. R. Molson; R. Burrows, gardener to Mr. R. B. Angus; Mrs. Edgar Johnstone; E. J. Haywood, gardener to Mr. J. Brecky; Chaudiere Mills; J. Luck, gardener to Mr. R. B. Gordon; Cote des Neiges; E. J. Hayward; C. A. Smith, gardener to Miss Dawes, Lachine; R. W. Shepherd, Como; R. Jack and Sons; Ignace Morrand, Notre Dame College; T. Pewtress; T. W. Burdon; F. S. Watson, Lachine; John Stewart, Westmount; T. J. Church, Lachine; A. H. Cooke, Outremont; J. Bate, St. Lambert; George Bate; W. H. Scharf, Chateaugua; Hall and Robinson; Mr. Gamble, gardener to Mr. W. Currie, Lower Lachine Road.

## JOSEPH HEACOCK CO. WYNCOTE, PA.

Growers of

ARECA LUTESCENS, COCOS WEDDELIANA, KENTIA BELMOREANA and KENTIA FORSTERIANA.

## FINE 4-INCH POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5 00 per 100; \$45 00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

## ORCHIDS ORCHIDS

Orchid Baskets and Peat  
Write for Prices

**JOSEPH A. MANDA**  
191 Valley Road - WEST ORANGE, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....80c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmunda roots.

**WM. MATHEWS, - Utica, N. Y.**



Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS**  
COLLEGE POINT, NEW YORK

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
**NEW YORK CITY**

## ORCHIDS

Our importation has arrived in Perfect Condition  
**C. Gigas Sanderiana, C. Percivaliana, C. Gaskelliana, C. Mossiae.**

Expect **C. Mendelli** shortly.

**ORDONEZ BROS., Madison, N. J.**

## IMPORTED ORCHIDS

Arrived in Superb Condition

**Vanda coerulea, Cattleya Trianae, Cattleya gigas Sanderiana, Cattleya Schroederæ, Oncidium varicosum.**

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

Fresh shipments arrived in superb condition  
**Cattleya gigas** (True Hardyana type), **Cattleya Schroederæ**, **C. Trianae**, **C. Trianae Topyan** var. **Lælia bigbyana**, **Oncidium Kramerianum**, **Miltonia Vexillaria**, **Peristertia elata** (Dove orchid) and **Odontoglossum Harryanum** and **Sceptrum**. Write for prices.

**LAGER & HURRELL, Summit, N. J.**

## ORCHIDS

Our latest importations have been, **Cattleya Chrysoxa**, **Cattleya Gaskelliana**, **Cattleya Gigas**, (Hardyana district), **Phalaenopsis Amabilis** Schilleriana and others. We will receive in a short time, **Cattleya Dowiana**, **Miltonia Vexillaria** and others.

**CARRILLO & BALDWIN**  
**SECAUCUS, N. J.**

IN ORDERING GOODS PLEASE  
MENTION HORTICULTURE.

## NEW LONDON COUNTY HORTICULTURAL SOCIETY.

The flower show of this society held on September 19, at Norwich, Conn., was a success both in exhibits—the twenty-nine classes scheduled being all well filled—and in attendance. Otis B. Chapman staged over 600 varieties of dahlias, among which the new Charles Lanier was pre-eminent; Alex. McClellan had a large display of single seedlings; J. J. Kennedy, C. A. Norcross and A. W. Pierson also had large dahlia exhibits; B. H. Tracy and John Lewis Childs showed magnificent gladioli; W. J. Schoonman fine asters. Other exhibitors were, Mrs. W. C. Lanman, gardener C. T. Beasley; Mrs. F. L. Osgood, gardener F. Shea; S. A. Gilbert; W. W. Ives; Alfred Mitchell, gardener August Neuman; George S. Palmer.

## CLUB AND SOCIETY NOTES.

The Vermont Horticultural Society is planning to hold its annual meeting at Montpelier in November.

The New Hampshire State Horticultural Society will hold a three days' meeting at Milford, opening October 20.

The Kentucky State Horticultural Society held its annual meeting at Louisville Sept. 16, on the State Fair ground.

At the Michigan State Fair held the week of Sept. 7 the Pontiac Floral Co. secured first prizes on roses, carnations and floral designs.

The Minnesota State Florists' Association of St. Paul has incorporated, with Theodore Wirth, S. D. Dysinger, R. A. Latham, A. S. Swan and E. Nagel as incorporators.

The California State Floral Society met on Sept. 11 in San Francisco. Wm. Kettlewell exhibited some 200 varieties of dahlias and spoke enthusiastically on their cultivation.

The last Detroit Florist Club meeting was mainly devoted to a discussion of the constitution. The latter is being rearranged by a committee of three—Messrs. Maynard, Dilger and Brown.

The San Diego Floral Association (Calif.) met on Sept. 8. A. D. Robinson spoke instructively on his method of raising asters, of which he showed a fine array, and Miss Kate Sessions followed with interesting remarks.

At a meeting of the State Floral Society, Little Rock, Ark., on Sept. 17, C. W. Dickinson of E. H. Hunt, Chicago, and C. H. Hume, of Memphis, were elected judges for the November flower show. Upwards of \$3,000 is offered in prizes.

The Tri-City Florists met with Harry Bills, Davenport, Ia., on September 19 and listened to talks on the importance of the bulb, by John T. Temple, Theo. Ewoldt, and Emil Boehm. Bulb culture, the regular topic for the evening, was ably and interestingly handled.

The Rhode Island Horticultural Society's exhibit at Providence on September 18, 1908, was a fine array of dahlias and asters, with attractive seedlings of both plants. Mrs. H. A. Jahn, Geo. H. Walker, W. Tar-

box, N. D. Pierce, John Lewis Childs are the familiar names among the exhibitors of flowers. Fruits and vegetables also were temptingly displayed.

The annual meeting and election of officers of the New England Dahlia Society was held in Boston on September 17. Officers were chosen as follows: President, William F. Turner, New Bedford; vice-president, Henry Kendall, Newton; secretary, Maurice Fuld, Boston; treasurer, N. Allen Lindsay, Marblehead; executive committee, E. W. Ela, Woburn; George H. Walker, North Dighton; Theodore H. Tyndall, Boston; J. P. Bodge, Fall River; W. D. Moon, Lynn.

## COMING EVENTS.

Boston, Mass., Massachusetts Horticultural Society, exhibition of fruits and vegetables, Oct. 10, 11; Chrysanthemum show, Nov. 6, 7, 8, 9.

Menlo Park, Calif., Menlo Park Horticultural Society, exhibition, Oct. 15.

San Rafael, Calif.—Marin County Horticultural Society, flower show, Oct. 17.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November 3-6.

Hartford, Conn., Connecticut Horticultural Society, chrysanthemum show, Nov. 2, 4, 5, Unity Hall.

Shreveport, La., State Fair, November 2, 4, 5.

Worcester, Mass., Worcester County Horticultural Society, annual meeting, Nov. 4; chrysanthemum show, Nov. 12.

Red Bank, N. J., Monmouth County Horticultural Society, show, Nov. 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, Oct. 14, Dahlia show; show, Nov. 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

New York, N. Y., American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

## CORRECTION.

In notes on British Horticulture, issue of September 19, for "Tritoma" read Tritonia (Montbretia).

## SCHOOL EXHIBITIONS.

Fairview School, Yonkers, N. Y., annual show, Sept. 12.

N. Brookfield, Mass., Town Improvement Association, awarded prizes to school children on Sept. 13.

Colorado Springs, Colo., Columbia school, flower show, Sept. 11.

West Medway, Mass., products of school gardens under the auspices of the Improvement Society, Sept. 16.

The Outdoor Art and Improvement Association, Milwaukee, Wis., awarded gold and silver medals for exhibits at the annual show on Sept. 17-18.

The garden work of the school children of Providence, R. I., closed with an exhibit in Roger Williams Park on the 19th inst.

The children's garden work was a feature of the exhibit of the Houghton Horticultural Society, Lynn, Mass., Sept. 16-17, many new schools participated this year.

At Waltham, Mass., 786 children competed for prizes, and 14,654 packets of seed had been sold. The exhibition was held on Sept. 17; \$75 was distributed in premiums.

The exhibit of the Highlands school, Holyoke, Mass., on the 19th, was the best and largest they ever made.

## FAIRS AND NEIGHBORHOOD SHOWS.

The Woman's Club of Reading, Mass., held its annual flower show on the 16th and awarded prizes in the children's garden contest.

"The Herald" of Salt Lake City, has conducted a "Yard Beautiful" contest this season with most gratifying results. The conclusion reached is that the offer of cash prizes acted as a decided stimulus.

At the Clinton, Mass., 20th annual fair, Sept. 15, exhibits of orchids by Messrs. Thayer, decorative plants by E. W. Breed, chrysanthemums by H. F. A. Lange, gladioli by B. H. Tracy and dahlias by J. L. Moore were attractions.

"The Dispatch" of St. Paul, Minn., held its second annual aster show recently. Evidently it was not confined to asters, as an exhibit of dahlias received most favorable comment. Holm & Olson, L. L. May & Co. and other florists lent their aid in decorating the hall, and Messrs. Olson and May were judges.

## AN INTERESTING CARNATION OUTLOOK.

A. Roper, the raiser and introducer of that most useful carnation Fair Maid and the superb Bay State, which is to be disseminated this season, has an unusual number of sensational varieties among the seedlings of 1908. One of these, a scarlet progeny from a scarlet seedling crossed with Victory, is of a most dazzling color. Mr. Roper regards as noteworthy the fact that every plant from this cross came true to color. His seedling which was one of the parents came from an unbroken line of reds for several generations back. Victory's ancestry has not, so far as we know, ever been given. Although he had fewer seeds than for a number of years back, Mr. Roper regards the results as the best he has ever had.

# JOHN WATERER & SON, Ltd.

## American Nursery Bagshot, England

Are Specialists in the

**REALLY HARDY VARIETIES**  
of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

**EVERGREENS** for early Fall planting: **HARDY RHODODENDRONS** per thousand. All other fine **SHRUBS, TREES, VINES, PERENNIAL PLANTS** and **FRUITS**. Complete assortments: Careful grading: Low prices.

**AMERICAN NURSERY COMPANY,**  
Sales Department, - - - 150 BROADWAY, NEW YORK CITY.  
**BLOODGOOD NURSERIES DEPT.,** Flushing, Long Island.  
**F. & F. NURSERIES DEPT.,** - - Springfield, New Jersey.

**A Hardy Garden or Border Planted in September Gives the Best Results**

We grow strong field-grown plants of

## HERBACEOUS PERENNIALS

in great variety. Illustrated catalogue containing everything for planting the Home Grounds Free upon request.

**THE BAY STATE NURSERIES, North Abington. Mass.**

### HARDY PLANT NOTES.

*Nierembergia rivularis* is worthy of more general use as a rockery or Alpine border plant. Its handsome white saucer-shaped flowers are produced continuously throughout the season.

*Acer Ginnala*, one of the Tartarian maples, is one of the most striking features of the late summer landscape with its brilliant red foliage. When in this condition none of the Japan maples can approach it in beauty and it has the advantage of being hardy everywhere.

Among the interesting things seen in the herbaceous grounds of the New England Nurseries at Bedford, Mass., on a recent visit to that place was a large plat of *Dianthus semperflorens*, a hardy border variety, variously colored and blooming more or less freely all through the summer.

### "A ROSE IN EVERY GARDEN."

A very practical paper for the instruction of the amateur in rose growing, written by L. J. Farmer of Pulaski, N. Y., is being widely disseminated by the German Kali Works, whose products have done so much to promote successful gardening. Mr. Farmer warns the public against the job lot rose plants that are offered at the five and ten cent department store counters which he says are the refuse of the rose nurseries. Regarding fertilizers he recommends the use of a high-grade fertilizer rich in nitrogen to induce vigorous growth and in potash and phosphoric acid to bring out a large crop of flowers. A grade analyzing 4 per cent ammonia, 10 per cent potash and 10 per cent phosphoric acid applied in the quantity of a spoonful to each plant and well-distributed in the soil to the distance of a foot around each stem is advised.

## J. W. ADAMS & CO.

### Springfield, Mass.

Offer the following Hybrid Tea Roses  
**Extra Strong Field Grown Plants**

400 Maman Cochet Pink, 100 Maman Cochet White, 200 Gruss An Teplitz, 100 Etoile de France, 60 La France, 50 Duchess of Albany, 40 K. A. Victoria, 50 Gloire de Dijon, 25 Caroline Testout, 20 Pres. Carnot, 40 Gloire Lyonnaise.

Also 500 Baby Rambler 3 year extra, and a fine assortment of Hybrid Perpetuals.

ADVERTISER would like to communicate with a Florist or Nurseryman with ten or twelve thousand dollars, who would like to go into business on the Pacific Coast. Address,  
**PACIFIC,**  
Care of **HORTICULTURE**

## PEONIES

Strong 3 and 5 year old clumps cheap. Ask for wholesale catalogue of ornamental nursery stock.

**SAMUEL C. MOON**  
Morrisville Nursery, MORRISVILLE, PA.

**CLEARY'S HORTICULTURAL CO.**  
Management **AMBROSE T. CLEARY**  
Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted.  
**62 Vesey St., NEW YORK**

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## ELLWANGER & BARRY'S

# TREES

**Shrubs, Roses**  
and  
**Hardy Plants**

Are Famous  
The World Over.

Illustrated descriptive catalogue.  
Free upon request.

**Mount Hope Nurseries**

Established 1840.

**Rochester, N. Y.**



## HYDRANGEA

(*Arborescens*)

### GRAND. ALBA

A taking novelty for

### FORCING

Strong field-grown 15 inch and up \$15 per 100, \$140 per 1000. 10 to 15 inch \$10 per 100, \$90 per 1000.

**The Elm City Nurs. Co.**  
NEW HAVEN, CONN.

**Hardy Rhododendrons, Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our**  
**HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK,** 216 Jane St., Weehawken Heights  
P. O. No. 1, Hoboken, N. J.

# ROSES

A SPECIALTY

**The Dingee & Conard Co.** West Grove PA.

**EXTRA QUALITY Bride and Maid**

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

**The E. G. HILL CO., Richmond, Ind**

**The Roses that Win**

**MRS. POTTER PALMER, CARDINAL**  
American Beauty and Other Standard Varieties. Rooted from Our Famous Stock. Send for Prices.

**POEHLMANN BROS. CO.**  
Morton Grove, Ill.

**BARGAINS in TREES and PLANTS**

in Cord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.



## NATIONAL DAHLIA SOCIETY.

The annual show of this well-known society took place in the Horticultural Hall, Westminster, London, on September 3rd. There was the usual display in the competitive classes for cut blooms and in addition there were some fine exhibits of cut dahlias in vases and baskets. The schedule provided 47 classes divided into sections for nurserymen, amateurs and open to all. The requirements in the various classes vary from 3, 6, 9, 12, 15, 24 to 48 cut blooms with prizes in proportion varying from certificates, sums of cash and medals, to a handsome silver challenge cup, value \$78.00.

The grandest displays of course came from the great trade exhibitors and there were several that occupied an immense space round the side walls of the hall. Dobbies of Rothsay had a grand lot staged in exquisite taste comprising all sections; Pompons, Cactus, Single Cactus, and the old double forms were well represented. Cannell & Sons had a fine lot close by, including Cactus and Decoratives of fine form. Emberson had also a good table neatly arranged. Pompons and Cactus of surpassing merit were well shown with ferns in front, the latter being effectively staged in the back row.

T. S. Ware & Son had a grand lot of the Giant form which were remarkable for size. Cactus and Pompons were very numerous. Hobbies, Ltd., had a collection of the Giant decorative race, Cactus, etc., set up with ferns and *Isolepis gracilis* in quantity; a fine display worthy of more space than is at our disposal. J. T. West was another large exhibitor; Cactus in enormous quantity and variety; Pompons also. Among other exhibitors such well-known names were noticed as Keynes, Williams & Co., J. Cheal & Sons, J. Burrell & Son, John Walker, S. Mortimer, C. Turner, Seall, Knight and Stredwick, all eminent cultivators of this gorgeous autumn favorite.

Singles were shown prettily arranged in pyramids. Specially fine in the various competitive groups were Helena, Tommy, Brilliant, Peggy, Glencoe, Vesuvius, Betty, Formosa, Aurora, Snowdrop, Kitty, Bertha and others.

Medals were awarded as follows: Gold, to Dobbie & Co. Silver Gilt, to Cannell & Sons and J. T. West. Silver to J. Emberson, T. S. Ware & Sons, Hobbies Ltd., and J. T. Knight.

The Floral Committee met in the morning and made the following awards: First class certificates to Burrell & Co., for Una; to Stredwick for Debutante, The Rev. T. W. Jameson, Mrs. Ayre Dyer and Snowdon; to Burrell & Co., for Minnie (Pom. Cactus); to C. Turner for Adela (Pom.); to Pearce for Mrs. W. W. Merry (Single); to J. Cheal & Sons for Betty (Single); to Mortimer for Tom Jones (Show) and Jasper (Show).

Altogether an excellent show with a high standard of quality everywhere observable.

C. HARMAN PAYNE.

## MUSA CAVENDISHII.

Our illustration shows a fine specimen of *Musa Cavendishii* in fruit at the greenhouses of Mrs. H. F. Durant, Wellesley, Mass., Thomas Watt, gar-



denier. The plant shown is about eighteen months old and was raised from a side shoot from an old plant. The fruits are from 7 to 8 inches long, very round and full as the picture shows, and of delicious flavor.

## FERN NOTES.

Among the ferns regarded as especially promising from the florists' standpoint, by J. F. Anderson of Short Hills, N. J., is an adiantum bearing superb fronds, taller and more graceful for cut use than even the popular *Croweanum*. Mr. Anderson thinks it may possibly be a hybrid between *Birkenheadi* and *affine* as he has both of these growing and the new plant shows characteristics of both. He will, however, submit it to qualified experts for identification before giving it a name.

*Pteris sulcata*, an erect, strong growing fern with generous fronds of light green color is one which Mr. Anderson thinks should be grown more largely by florists for decorative planting. It is tough and hardy and will withstand unfavorable conditions or rough handling as well as any of them.

*Pellaea geraniaefolia* is an elegant little fern for jardiniere work, with wiry stipules and triangular fronds, which suggest a resemblance to a geranium leaf. Another fern which is rarely seen but certainly in the useful class is *Dryopteris palmata*. It is a beautiful dwarf species.

A "golden fern" known as *Gymnogramma Peruviana superba* has the pinnae partially rolled up in the mature fronds thus showing here and there, on the upper side, the bright gold reverse and producing a peculiar sparkling effect.

FLORISTS' PLANT NOTES BY  
"WIRELESS."

## "White Perfection" Well Named.

For really good flowers and plenty of them throughout August and September, when white carnations of acceptable quality are hard to find, *White Perfection* has been winning a great reputation this season. Houses planted with this variety at first of May have been producing crops equal in quality and quantity to those usually cut in March and April.

## Some Fine Bedding Geraniums.

Mr. L. E. Wood of Fishkill, N. Y., ventures the assertion that Mrs. E. G. Hill, single salmon, is about the best of all the bedding zonal geraniums. As seen in a mass in Wood Bros.' field it certainly makes a gorgeous show excelling even the popular *Poitevine*. Another variety that stands out convincingly is *Devoy's Telegraph*, a big light vermillion variety which originated in Poughkeepsie a few years ago. Among the scarlets none beat J. J. Harrison.

## Advice to Rose Growers.

One of the keenest of the large commercial rose growers advises the buying now of 3-in. grafted Killarney, at the present price of about \$100 per 1000, and then turning them out into boxes and holding them cold and dormant until next spring when they may be potted up early and given one shift into 4-in. pots and will be superior to anything that can be bought at any price for next year's planting.

## Pot Lilies.

"A 5-in. pot is big enough for any Easter lily provided you give proper feeding" is the expressed view of one of the most extensive lily forcers in this country. "When it comes to shifting and carrying around you'll find them heavy enough."

## A Profitable Rose.

At A. N. Pierson's establishment in Cromwell, Conn., John Cook's recent introduction "*My Maryland*" is accredited with being the best producer and in all respects the best paying rose ever grown there. Wallace Pierson says it will probably be a long time before the equal of this rose for profit will be found.

## SAME OLD STORY.

Boston dealers who handle Connecticut peaches complain of the slow freight service. Shipments, they say, from nearly all points of Connecticut have been many hours overdue and serious losses have occurred. Railroads conveying produce from the South make a specialty of the trade, sending forward the freight at almost express speed. Dealers contend that New England roads ought to do something of the kind with perishable crops like peaches. At present it sometimes takes peaches as long to come from Connecticut as from the nearer states of the South. It is claimed by some that the railroads are trying to force shippers to patronize the express companies by offering such slow freight service that the shippers will be obliged to patronize the express in order to have their produce forwarded promptly.—Amer. Cult.

# COLD STORAGE LILIUM GIGANTEUMS, SPECIOSUMS and AURATUMS

*Properly packed and stored will retain their strength and vitality until late in December. Beware of improperly packed bulbs, which are likely to lose their vitality about this time.*

Our stock of cold storage lilies are **not surplus or left over bulbs**, but bulbs put into cold storage on arrival, packed especially for this purpose. We offer them till sold as follows: —

## LILIUM LONGIFLORUM GIGANTEUM.

7— 8 inch, 250 bulbs in a case.....	\$15.00 per case;	\$6.00 per 100;	\$60.00 per 1000
7— 9 inch, 300 bulbs in a case.....	21.00 per case;	7.00 per 100;	70.00 per 1000
8—10 inch, 225 bulbs in a case.....	22.50 per case;	10.00 per 100;	100.00 per 1000

## LILIUM SPECIOSUM ALBUM.

8— 9 inch, 160 bulbs in a case.....	\$10.00 per case;	\$6.50 per 100;	\$60.00 per 1000
9—11 inch, 100 bulbs in a case.....	10.00 per case;	10.00 per 100;	100.00 per 1000
11—13 inch, 100 bulbs in a case.....	18.00 per case;	18.00 per 100;	175.00 per 1000

LILIUM AURATUM—Cold Storage, 8-9 inch bulbs, \$5.50 per 100; \$50.00 per 1000.

All Cases Repacked and Bulbs guaranteed sound.

**ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., New York City**

## Surplus offer of

# FORMOSA LILIUM LONGIFLORUM

On account of unfavorable weather the bulbs of the Formosa Liliun Longiflorum did not grow up to the sizes expected but the plants formed good solid bulbs. We are convinced our 6/8 in. size will give the same results which under favorable conditions a bulb of 7/9 in. would produce, and if two bulbs are planted in one pot the plants make a nicer showing than those with a single stem.

6/8 in. bulbs, 400 in a case at \$16.00 per case, 5% cash discount.

# CALLAS, WHITE, JAPAN CROWN

Our stock is grown for one season in dry loamy soil to make these roots fit for the long journey, consequently they are not as large as California grown stock. They produce however more flowers and are perfectly healthy.

Size 1—2 in. in diameter \$45.00 per 1000, 5% cash discount.

**THE YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., N.Y.**

# Thorburn's Bulbs

Roman Hyacinths,  
Bermuda Easter Lilies  
Narcissus Paper White Grandiflorus  
Freesias, etc.

Seeds of our Magnificent Strain  
Cyclamen Giganteum, Asparagus plu-  
mosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

# SKIDELSKY & IRWIN CO.

PLANTS, BULBS, SEEDS

144 No. 7th St., Philadelphia, Pa.

# DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**

Successors to L. K. Peacock, Inc.  
ATCO, N.J.

# GUARANTEED MUSHROOM SPAWN

7 lbs. for \$1.00

**W. ELLIOTT & SONS**

42 Vesey St., New York

# HYACINTHS, TULIPS, NARCISSI AND OTHER BULBS

ROMAN HYACINTHS and the true  
PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillegom

**K. VELTHUYS, Hillegom, Holland**  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.

# READY For Prompt Shipment... FRENCH and DUTCH BULBS

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

# JUST ARRIVED HIGH GRADE DUTCH BULBS

We also carry a full line of Florists' Supplies

**THOMAS J. GREY CO.**  
32 & 33 So. Market St., BOSTON, MASS.

# BULBS FOR FORCING

Roman Hyacinths, Liliun Harrisii, Freesias,  
Tulips and Dutch Hyacinths.

PERENNIAL FLOWER SEEDS.

New crop for present sowing.

Special prices on application.

Sure Crop Mushroom Spawn, \$8.00 per 100 lbs.

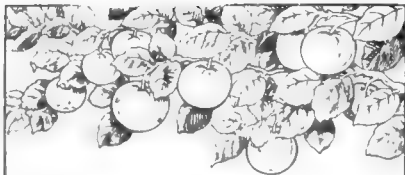
**Weeber & Don,** Seed Merchants & Growers  
114 Chambers St., New York

# A. MITTING

Calla Lily Bulb Co.

Santa Cruz, Calif., U.S.A.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
LILIES  
PLANTS  
BAMBOO STAKES



## Success With Plants

can be counted on by the grower who supplies his plants and trees with the elements they require. Potash, phosphoric acid and nitrogen are all necessary, but

# POTASH

in right quantity is absolutely essential to the most abundant production of blooms and fruits.

For success and profit use a commercial fertilizer containing at least 10 to 12 per cent. of Potash.

Send for our Free Books on Fertilizing, prepared by experts and valuable to agriculturists. Covers the subject clearly.

## GERMAN KALI WORKS

93 Nassau Street  
New York City

Monadnock Bldg.  
Chicago

Candler Bldg.  
Atlanta, Ga.

Address office  
nearest  
you.



# Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**  
6 & 7 South Market Street  
BOSTON, MASS.

## Seed Trade

Fairly definite information to hand confirms the worst fears of damage to the vine seed crop, not alone in Nebraska, but in Kansas and Oklahoma. Even Colorado has not been exempt. Prognosticating prices is of no benefit at this time, and it may be left for supply and demand to determine, but vine seeds, and particularly musk melons, will certainly be among the luxuries, and those who are fortunate enough to have carried any over, can draw almost any price they may choose to ask.

There will be small, if any, surplus of Red Wethersfield onion seed according to California reports, but there is considerable of this seed in Connecticut no doubt, and we still believe prices will sink to lower levels on nearly all varieties of onion seed. Just at present it is safe only to deal in generalities, but specifications will soon be given.

More favorable reports about corn continue to come in, and despite many fears, there will be enough to supply normal requirements at moderate prices. Notwithstanding the extreme drought which has afflicted New England, and nowhere worse than in Connecticut corn is going to be a fairly good crop, for which the farmers and dealers of the Nutmeg State have good cause to be thankful.

There are pretty reliable rumors that a number of seed pea and bean growers are willing and even eager to dispose of their plants and quit the business. But one of the old-time prominent growers is mentioned in this connection, and probably this is due to momentary disappointment and disgust over the repeated and heavy crop shortages, which have virtually prevented growers of peas and beans from making a reasonable profit for any given period, say of five years. If a grower is fortunate enough to make a fair return on his capital one year, he loses most of it the next, and thus at the end of five years he is very little ahead. As one grower aptly puts it—"Hope springs eternal in the seedsmen's breast, and he is always expecting that next year he will get the crop he has longed for." Were it not for this eternal spring of hope, the average seed grower would quit the business or die of despair.

Those growers who want to sell out evidently do not want to shuffle off just yet, but as they have little to bequeath in seed stocks or reputation, buyers are not camping on their lawns to be first in line in the morning. A good business reputation is a valuable asset, and those who have thought only of how cheap they could produce stocks, with little if any thought of quality, find, now that they want to sell out, that they have nothing that anyone wants, and aside from the little seed of doubtful quality, and their buildings and machinery, their business is an empty shell. No reputable grower would have it known that he had bought such stock, and would be ashamed to look at himself in the glass if he had done so. Most of those who have gone into the business without

the equipment of experience or reputation, have made a failure of it, and have generally just had to quit because they could not find a buyer. No one wanted their business and as it was a losing game they were compelled to close it up.

Preliminary estimates of deliveries may be looked for within the next two weeks, and then will the troubles of the grower begin in earnest. He will learn that he is regarded with suspicion by his valued customers, and his status will be much like the man suspected of burglary. Verily this is a vale of tears for the seed grower.

The affairs of The Templin Co. of Calla, Ohio, have finally been settled, the former owners prior to the appointment of the receiver, having purchased the business and real estate, buildings, etc. The purchasers are Mr. Mark Templin and Mr. C. W. Hendricks, and they are to be congratulated on regaining control. Under their management the name of Templin will stand, as it always has, for integrity and quality, and the trade generally will wish them the largest possible measure of success.

The seedless apple and hipless dress are dead issues alongside of that most remarkable tomato figured and described at length by one of our contemporaries last week. Being "the result of a combination between a tomato and a watermelon" it is well entitled to the name of "Wonder." Go on with the dance.

It is said that the creditors of the St. Louis Seed Co., St. Louis, Mo., recently adjudged bankrupt, will compromise on a 33 1-3 cent basis and that the company will shortly reorganize on a better basis and larger capital than before.

The seed growing business of V. Fromhold & Co., Naumberg-on-Saale, Germany, has been taken over by Emil Fromhold, and will be conducted under the name of E. Fromhold & Co.

In last week's seed trade notes, in the fourth paragraph, referring to information regarding the onion seed crops, read "Connecticut" instead of "Cincinnati."

The L. L. Olds Seed Co. is now permanently located at 313-317 Wilson street, Madison, Wis., but a branch will be maintained at Clinton.

Morris & Snow Seed Co. is now settled in its new quarters at 425 South Main street, Los Angeles, Calif.

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

## CATALOGUES RECEIVED.

W. D. Hathaway, New Bedford, Mass.—Dahlias, 1908.

Wm. F. Turner, New Bedford, Mass.—1908 Catalogue of Dahlias.

Towle's Dahlia Gardens, Reading, Mass.—Catalogue of Dahlias.

Barteldes Seed Co., Denver, Colo.—Autumn, 1908, Bulb Catalogue.

J. K. Alexander, East Bridgewater, Mass.—Catalogue of Dahlias, 1908.

George H. Walker, North Dighton, Mass.—Descriptive Catalogue of Dahlias.

Dorchester Dahlia Gardens, Dorchester, Mass.—Catalogue of dahlias for 1909.

Peter's Nursery Company, Knoxville, Tenn.—Folder of hardy and tender roses.

Edgar W. Ela, Woburn, Mass.—Illustrated Dahlia Catalogue and Cultural Guide.

Leedle Floral Company, Springfield, O.—Roses, summer grown, 1908, on own roots.

W. P. Hayden, Linden Dahlia Gardens, Rockland, Mass.—1908 Descriptive List of Dahlias.

Scranton Florist Supply Co., Scranton, Pa.—Florists' Wholesale Price List of Wire Frames.

Vincent Lebreton, La Pyramide-Trelaze, France.—Wholesale Trade List of Nursery Stock.

McGregor Bros. Co., Springfield, O.—Catalogue of Bulbs and Plants, hardy and tender. Illustrated.

W. E. Dalwig, Milwaukee, Wis.—Bulbs. An illustrated catalogue of seasonable planting varieties.

American Nursery Company, New York.—Folder of Special Offers in Trees and Shrubs for Fall, 1908.

Van Heining Bros. & Co., Boskoop, Holland.—General Trade Catalogue 1908-1909. Nursery stock, roses, clematis, etc.

Eastern Nurseries, Jamaica Plain, Mass.—Wholesale Trade List of choice ornamental trees and shrubs and herbaceous plants.

H. F. Michell Co., Philadelphia, Pa.—Wholesale Price List of Bulbs, Seeds, Plants and Supplies. Finely illustrated and mighty convincing.

Anton Schultheis, College Point, N. Y.—Wholesale Price List of Foliage and Flowering Plants for Fall of 1908 and Spring 1909. Christmas and Easter favorites are a specialty.

Peterson Nursery, Chicago.—Trees, Shrubs and Plants. This is a well-arranged, profusely illustrated and

## CYCLAMEN SEED

NEW CROP

## CRAIG'S SPECIAL GIANT

WHITE RED PINK

WHITE with Red Eye

MIXED, all Colors

Per 100 seeds, \$1.00;

\$9.00 per 1000 seeds.

MICHELL 1018 MARKET ST. PHILA., PA.

## C.C. MORSE &amp; CO. 48-56 JACKSON ST., San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

strictly practical catalogue. Its descriptions are interesting and instructive, and altogether it is just the kind of book to make people want to buy.

## PLANT IMPORTS.

Entered at New York September 14th to 21st, 1908.

From Holland: H. O. Booth, 3 cs. bulbs; H. H. Berger & Co., 21 cs. do.; C. F. Buckingham, 9 cs. do.; S. D. Crosby & Co., 200 bags garden seed; D. Clark's Sons, 8 cs. bulbs; H. F. Darrow, 10 cs. do.; W. Elliott & Son, 11 cs. do.; A. Gips, 3 cs. do., 8 crts. plants; W. Hagemann & Co., 59 cs. bulbs; J. W. Hampton, Jr., & Co., 40 cs. do.; P. Henderson & Co., 3 cs. do.; Holland-American Line, 612 cs. do.; Maltus & Ware, 1025 cs. do., 28 cs. flower roots; F. Muchmore, 8 cs. bulbs; F. R. Pierson Co., 5 cs. do.; C. B. Richard & Co., 13 cs. do., 341 pgs. plants; I. P. Roosa, 3 pgs. bulbs; Santa Fe R. R., 67 bgs. garden seed; L. J. Spence, 32 bgs. do.; A. Schultheis, 11 cs. bulbs; Thompson & Putney, 27 cs. do.; Vaughan's Seed Store, 8 cs. do.; Sundry Forwarders, 53 cs. do.

From Belgium: P. Henderson & Co., 24 cs. plants; McHutchison & Co., 42 cs. do., 2 tubs laurel trees; Maltus & Ware, 7 cs. plants; C. F. Meyer, 80 cs. do.; Sundry Forwarders, 25 cs. do.

From Marseille: Schulz & Ruckgaber, 68 cs. bulbs; J. Ter Kuile, 3 cs. plants; R. M. Ward & Co., 350 cs. bulbs.

From Naples: T. Feinstein, 66 cs. live plants.

## REAPPRAISEMENTS.

Reappraisements of bulbs made by the board of general appraisers, New York, Sept. 14:

Bulbs.—From C. J. Speelman & Sons, Sassenheim, exported Aug. 17, 1908; entered at New York. Double tulips mixed to color, entered at \$3. advanced to \$3.50 per 1,000; single do., ent. at \$2.25, adv. to \$2.50 per 1,000; single tulip De Keiser, ent. at \$3. adv. to \$5.00 per 1,000; do. late Picotee, ent. at \$3. adv. to \$3.50 per 1,000; tulip Cornuta Linemis, ent. at \$2.00, adv. to \$5.00 per 1,000. Add cases and packing.

From L. Van Waveren & Co., Hillegom; exported Aug. 10, 1908; ent. at New York. Single tulips Chrysolora, ent. at \$2. adv. to \$3.25 per 1,000; do. Couleur Ponceau, ent. at \$3.20, adv. to \$4.00 per 1,000; do. La Reine, ent. at \$1. adv. to \$4.50 per 1,000; do. Yellow Prince, ent. at \$3.50, adv. to \$4.00 per 1,000. Discount 5 per cent. Add packing.

## SOW NOW MY STRAIN OF Hardy Garden Carnations

as;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,	\$2.50	.30
Dwarf Scarlet Grenadin	2 cc	.30
Early Dwarf Vienna, finest mixed	1.00	.20
New Early White Vienna, fine for cut.	1.50	.20
New Early Dwarf Hardy Garden		
Pinks, in splendid colors, mixed	4.00	.50

O. V. ZANGEN, Seedsman  
HOBOKEN, N. J.

CYCLAMEN  
SUPERB ENGLISH STRAIN

Extra large flowering. Fresh seed just arrived in the following colors: Deep Crimson, White, Claret Base, Pure White, Mauve, Cream White, Bright Xmas Red, Delicate Pink, Salmon Pink. Per 100 seeds, \$1.00. per 1000 seeds, \$9.00.

H. E. FISKE SEED CO., 13 Faneuil Hall Sq., BOSTON, MASS.

## BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

SAN JOSE, - - CALIFORNIA

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Winter-flowering

## SWEET PEA SEED

All Colors Ask for List

A. C. ZVOLANEK

ORIGINATOR.

BOUND BROOK, N. J.

CAULIFLOWER'S  
CABBAGE

HJALMAR HARTMANN & CO.  
12 Stormgade,  
COPENHAGEN, DENMARK.

In ordering goods please add  
"I saw it in HORTICULTURE."

# THE CASTLE

## The Automatic Circulator.

While the method of producing a forced circulation of liquids is the same as in the Electric Circulator, some modifications in construction which we consider to be of vital importance are made.



The great improvement of its being equipped with a valve which requires no manual manipulation to change from forced to gravity circulation will be at once recognized as extremely valuable.

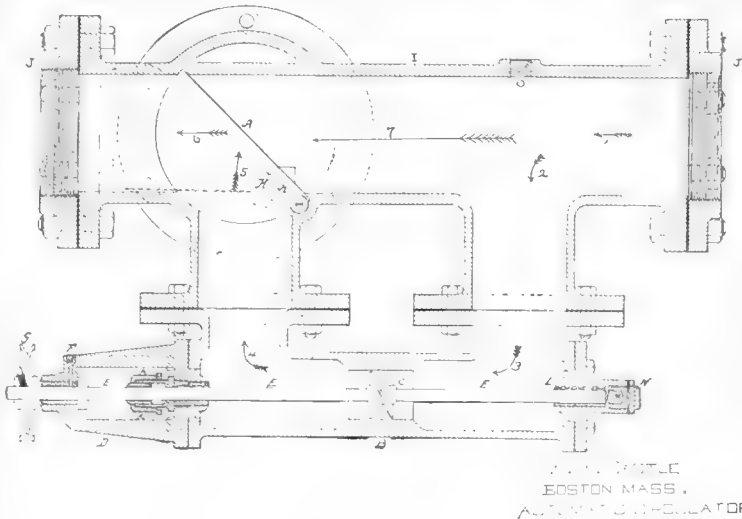
Referring to Diagram Below.

A is a light brass valve, hinged as shown at K, on the outer end of valve shaft fitted with index pointer H, protruding through valve casing as shown in half tone. This index shows at a glance the position of the valve in the pipe. When the propeller C is running the liquid is drawn in at the arrow 1, follows the courses shown by 2, 3, 4 and 5; as it impinges on valve A, the valve being very light, is thrown up as shown, closing the gravity system and passes on into system as shown by 6. The instant the propeller ceases to act the valve A drops and opens up an unobstructed gravity flow from 1, 7 and 6 to the system. It has been demonstrated that for ordinary and usual duty there is no advantage to be gained by use of three way valve which must be operated manually. Another valuable feature of this style of Circulator is it can be readily installed by any one who has the mechanical ability to cut out a length of return pipe sufficient to take in the top 1, screwing on the flanges J J, (which are furnished) and bolting the pipe and Circulator flanges together. The propeller chamber, B, is fitted to top I rigidly, consequently the propeller shaft E cannot be sprung or cramped in its bearings T, K, L, and is always in line with top I and return pipe. The pulley S is attached on projecting end of shaft E and supported by bearing F, held in place by saddle D. The bearings F, K, L are bored out in

absolute truth, the backward thrust of propeller being taken up by step M and cap N. The shaft propeller and bearings are made of best Tobin bronze, bearings K and L have water lubrication. F is fitted with oil cup. The motor may be placed wherever desired and connected by round or flat belt

passing of any part of the electric current to the apparatus, which we have found some times occurs if the motor is not kept clean, thereby losing power and giving a shock of greater or less intensity to any one coming in contact with the Circulator or attachments. The motor may be operated by an electric switch placed in any convenient place, and at a distance from the boiler or fire room, as the instant the propeller starts into action the automatic valve is thrown up and the water passes into the boiler and system, when the electric current is switched off the propeller stopping the valve drops and the gravity system becomes operative. In cases where the electric current is not obtainable, or too expensive, gasoline engine or water motors may be used. It is not necessary to run Circulator continuously. As soon as the thermometer on the return shows approximately (within ten to fifteen degrees) the temperature of the flow from the boiler, it can be shut down, the automatic valve opens to full capacity, and the pipes and water therein, being all heated to within a few degrees of each other, the gravity operation is so accelerated that the system will keep up its heat for from one to three hours.

The Circulators are built in three sizes, Nos. 2, 3 and 4, with tops on connections to returns complete up to eight inches in diameter.



Patent Applied For.

to pulley S. It will be recognized that this is a very desirable feature, as the motor may be located away from the dust, ashes and heat of the heating apparatus, also obviating any necessity of insulating it to prevent, in using an electric motor, the

Couplings are Furnished with Bolts and Nuts; Asbestos Packing also if desired. Sample Coupling

# The Castle Company

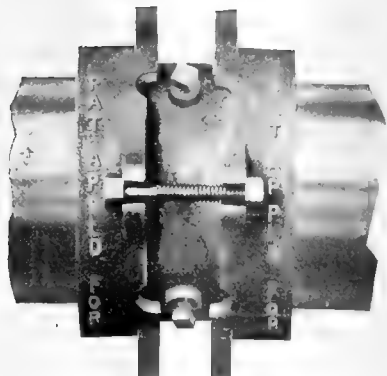
170 SUMMER STREET



# SPECIALTIES

## The Castle Tube and Pipe Coupling

For Steam or Hot Water.



This Coupling was devised to afford a rapid and reliable method of joining pipes, making at once a flexible expansion joint, as well as affording the quickest and most simple method of repairing a defective or burst pipe.

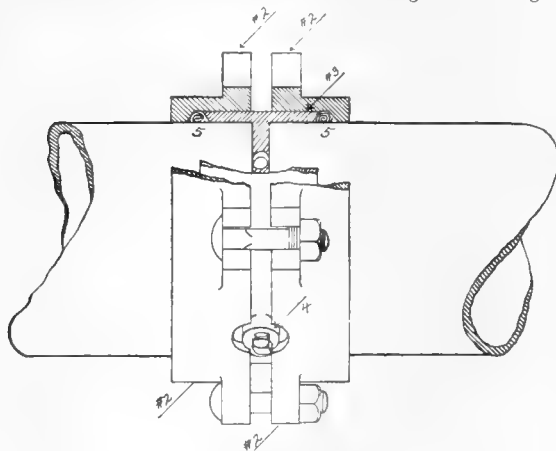


Referring to Diagrams Below.

It is constructed with an internal ring No. 3 into which the ends of the pipes No. 5-5 to be connected are inserted; in the central line of the ring brass screws No. 4 project to the interior sufficient to prevent either pipe creeping further than the central line. On the outer surface two heads No. 2-2 encircle the internal ring

other packing is inserted by pushing back upon the pipe the heads No. 2-2 and wrapping the pipe with sufficient packing for the joint. When this is done, bolts inserted, and nuts screwed up, the drawing together of the heads compresses the packing, making a tight joint between the flanges of the heads and the outer

rim of the ring, at the same time while compressing the packing there, also forces it down upon the pipe, thereby making a tight joint about the same. Thus the pipe can expand or contract in the internal ring No. 3. In using a 3-inch boiler tube, each pipe will have a play of quite one half inch. Pipes should be cut to length giving one quarter inch space between end of pipe and screws in ring.



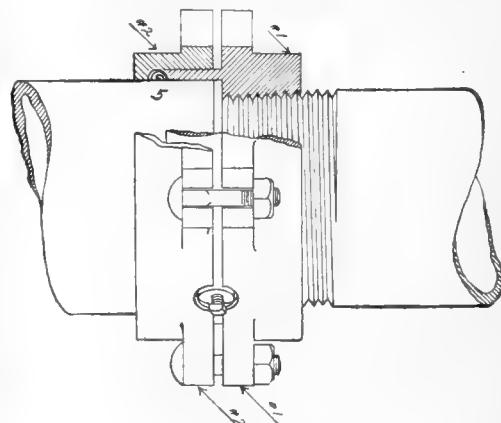
Patent Applied For.  
Fig. 1.

No. 3, with outer ends flanged down to barely touch the pipe. These heads have 4 slotted lugs through which passes bolts which by drawing together in screwing up the nuts, pull the heads towards each other. Between the flanges on the heads No. 2-2 and the outer rim of ring No. 3 is a space No. 5-5, in which wick or

can be used, one end screwed into No. 1 and the other end into the fitting. Instead of using the internal ring as in Fig. 1, the part No. 1 is extended as shown which produces same result; otherwise the putting together is the same as in Fig. 1. To repair a defective pipe, that part which demands repairs can be cut off with

In Fig. 2 the same general arrangement is shown. One head No. 2 is used; No. 1 is a fitting by which threaded pipe may be screwed into it or in case of T's, L's or other fittings are to be connected a nipple

can be used, one end screwed into No. 1 and the other end into the fitting. Instead of using the internal ring as in Fig. 1, the part No. 1 is extended as shown which produces same result; otherwise the putting together is the same as in Fig. 1. To repair a defective pipe, that part which demands repairs can be cut off with



Patent Applied For.  
Fig. 2.

By the use of these couplings old boiler tubes can be utilized economically and with a surety of reliable operation which has not heretofore been possible. No threading of such thin tubes would withstand the wear and tear of expansion and contraction and rust or packed fittings cannot be depended upon.

Will be Forwarded at 50c each. Estimates and Prices for Circulator or Couplings upon Application.

# , Heating Engineers

T, BOSTON, MASS.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Fred Dorner, Jr., of LaFayette, was  
judge at the Indiana State Fair just  
closed at Indianapolis.

D. I. McNamara of Portland, Ore.,  
has taken a position with W. H.  
Tracy at Bozeman, Mont.

Arthur Thayer of Northampton has  
taken a position as foreman of a green-  
house in Greenfield, Mass.

C. S. Carr of Waddington Farm,  
Elm Grove, W. Va., has resigned his  
position and will visit his son in Den-  
ver, Colo.

Sam. Neil of Dorchester, Mass., has  
just returned, on the Oceanic, from a  
visit to his old home in England, his  
first visit since 1872.

New York visitors: Paul Berko-  
witz, of H. Bayersdorfer & Co., Phila-  
delphia; F. Delansky, Lynn, Mass.; S.  
A. Moore, New Haven, Conn.

### STEAMER DEPARTURES

#### Allan.

Tunisian, Mont'l-Liverp'l.....Oct. 2  
Victorian, Mont'l-Liverp'l.....Oct. 8

#### American.

St. Paul, N. Y.-Shampton.....Oct. 3

#### Atlantic Transport.

Minnetonka, N. Y.-London.....Oct. 3

#### Cunard.

Campania, N. Y.-Liverp'l.....Sept. 30  
Ivernia, Boston-Liverp'l.....Oct. 6  
Carnania, N. Y.-Liverp'l.....Oct. 3

#### French Line.

La Provence, N. Y.-Havre.....Oct. 1  
La Lorraine, N. Y.-Havre.....Oct. 8

#### Hamburg-American.

Amerika, N. Y.-Hamburg.....Oct. 1  
G.-Waldersee, N. Y.-Hamb'g.....Oct. 3

#### Leyland.

Bohemian, Boston-Liverp'l.....Sept. 30  
Winifredian, Boston-Liverp'l.....Oct. 7

#### North German Lloyd.

Kronpr'n Ceclie, N. Y.-B'n.....Sept. 29  
Kronpr'z Wilhelm, N. Y.-B'n.....Oct. 6

#### White Star.

Teutonic, N. Y.-Shampton.....Sept. 30  
Baltic, N. Y.-Liverp'l.....Oct. 1

Visitors in Boston: J. Otto Thilow  
and the Misses Thilow, Philadelphia;  
J. S. Hay, representing H. A. Dreer,  
Phila.; L. E. Wood, Fishkill, N. Y.;  
John Scheepers, New York; Julius  
Roehrs, Rutherford, N. J.

### BUSINESS CHANGES.

G. J. Benedict has leased the green-  
houses of W. M. Colby, Concord, N.  
H.

Mr. Robb of Clarke & Robb, Erie,  
Pa., has taken over the entire business  
and will conduct it as the Robb Floral  
Co. hereafter.

The large greenhouses of the Lutey  
Floral Co. in Calumet, Mich., are being  
torn down to be moved to Chassell,  
where all the growing is to be done  
eventually. The other equipment of  
the company will be retained in Calu-  
met.

Philip Feinstein, North Union flor-  
ist, and M. Feinstein, 180B Portland  
St., Boston, have made an assignment  
of stock and fixtures to Wm. Charak.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

## HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

## THOS. F. CALVIN

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

## JULIUS A. ZINN,

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

## NEWS NOTES.

A. N. Pierson is erecting a 150 ft. chimney at his greenhouses, Cromwell, Conn., having found his forced draft outfit unsatisfactory.

The greenhouse stock and buildings on the premises of W. H. Murdock, Cambridge, Mass., were sold by auction on Thursday, Sept. 24.

Harvard College has recently made another addition to the land it is acquiring in Worcester County for forestry purposes, having purchased the Dexter estate of forty-three acres.

W. F. Chessley, an agent for Rice Bros. Co., nurserymen of Geneva, N. Y., who, it is alleged, has been collecting money through Maine and failed to give credit for same, was arrested on September 14.

The flower store of E. H. Smith, Hazelton, Pa., was entered on September 10, and about four dollars secured. Wrong season to break into a flower store. The thieves were interrupted in their work but escaped.

Mr. Harold H. Blossom and Miss Minnie M. Dawson were married at Jamaica Plain, Mass., on Thursday evening, Sept. 24. The bride is the eldest daughter of Jackson Dawson of the Arnold Arboretum and Mr. Blossom is connected with Olmsted Bros., the landscape architects.

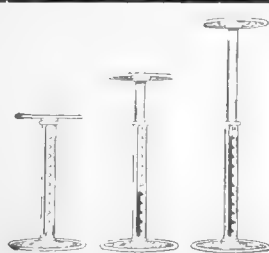
It is said that the trustees of the Worcester Art Museum have decided finally to demolish the old Salisbury greenhouses and dispose of the contents. John Coulson, who has had charge of the greenhouses for so many years, has bought a small farm in the country, where he will remove with his family.

The city of Boston receives an enormous bequest, probably amounting to several million dollars, for the maintenance and improvements of her Common and public parks, in the will of the late George F. Parkman of 83 Beacon street, which was filed in the Suffolk county registry of probate on Sept. 21.

A cement tank with running water six or eight inches in depth and jars perforated with several large holes through which the cold water constantly passes is in use at the Pierson greenhouses, Cromwell, Conn., for cooling and hardening up cut blooms of chrysanthemums. The next morning after plunging the flowers fairly tinkle when handled.

Poehlmann Bros. are putting cement benches in one greenhouse this week as a test, and if successful this style of bench will be adopted more extensively. The long drouth is testing the water supply severely at Poehlmann Bros. Plant B, and if relief does not come soon arrangements will be made for drawing a supply from the river some distance away.

The Vermont State Nursery used last year for its own planting and for distribution in the state the seeds from nearly 100 bushels of white pine cones. Cones should be collected in September, at which time the mature



## THE NEW IDEA IN PLANT STANDS

## The Moore-Livingston Graduating or Adjusting

Saves one-half to two-thirds of cost over ordinary galvanized iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS

SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., Lansdowne, Pa.

cones are from three to five inches long, green and with scales still closed. Further advice will be given by the Experiment Station, Burlington, Vt., to any interested.

Lawrence Cotter, superintendent of Rosemere Conservatories, Dorchester, Mass., goes on October first to take entire charge of the mammoth plant of the Lakeview Rose Gardens of Jamestown, N. Y. About ten acres of rose houses, an equal extent of carnation houses and five acres of other stock under glass is the present size of this establishment, approximately one million square feet of glass. We know of no man better equipped by experience and knowledge to assume the responsibility of its management than Mr. Cotter.

## NEW RETAIL FLOWER STORES.

Miss Lizzie Miller, Bangor, Me.

G. A. Phillips, Washington, D. C.

Albright & Smith, Erie St., Cleveland, O.

Blauvelt & Dierks, 50 W. 29th St., New York, N. Y.

Farquhar Fraser, Riverpoint, Providence, R. I.

Beloit, Wis. John Reindfleisch, 511 Grand avenue.

Hammond & Gompf, 19 W. Orange St., Lancaster, Pa.

George Betz & Sons, 349 Morrison St., Portland, Ore.

Richard Walsh, Lexington Ave. and 83d St., New York, N. Y.

The Thorsted Co., 14th and Washington Sts., Oakland, Calif.

H. W. Garrett, Old York Rd. and Spencer St., Baltimore, Md.

John Rindfleisch of Beloit, Wis., opened his new store on the 18th of September. Mr. Rindfleisch bought the site, which is one of the best in Beloit, and has put up a fine building with flats above and a store on the ground floor.

## OBITUARY.

Miss Emma F. Gill.

Miss Emma F. Gill, 54 years old, a teacher in the public schools of Medford, Mass., for 28 years, died Sept. 21 at the home of her mother. She had been ill with typhoid fever for three weeks. Her mother, Mrs. E. M. Gill, is the well-known florist and active worker for many years in the Massachusetts Horticultural Society, and the heartfelt sympathy of many loving friends will go out to the old lady in her sorrow.

## PERSONALS FROM MADISON, N. J., AND VICINITY.

Mr. and Mrs. Wm. Duckham will sail for home from Queenstown on the 26th inst.

Herbert Entwistle, gardener to Mrs. Julius Catlin, has resigned his position, to take effect Oct. 1st.

Geo. H. Hunt, formerly with Robt. D. Foote, has accepted a position with D. Rait, Richardson, Morris Plains.

Mr. and Mrs. Percy Herbert are safely domiciled here again. They had a very enjoyable trip through Scotland and England. Both were benefited by the trip.

Chas. H. Atkins of Bobbink & Atkins, is doing Europe too. He reports having met the Madison delegation in London and a general good time was the result.

What C. H. Totty lost in cash he gained in avoiddupois on his European trip. Mrs. Totty is so well pleased that she is already laying plans to duplicate the trip next year.

## CHICAGO PERSONALS.

Welland & Reisch are putting in a new refrigerator, 12x12 ft., built by Orr & Lockert.

Mr. and Mrs. Chas. W. McKellar have been enjoying a visit with friends near Kalamazoo, Mich.

C. Thomas is back for the winter season in his old place in A. L. Randall's cut flower department.

Visitors: B. Eschner, representing M. Rice & Co., Philadelphia; Edw. Amerpohl, Janesville, Wis.; Aug. Meyer, Janesville, Wis.; Chas. Koelker and daughter, Toledo, O.; A. Heisch, Memphis, Tenn.



## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

# DAHLIAS

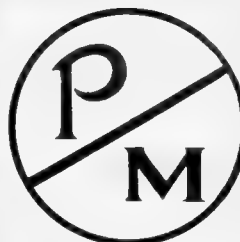
of the Highest Grade

Regular Orders Shipped Direct to You from  
the Growers

WRITE US ABOUT THEM

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.

Commencing Sept. 21st open from 7 a.m. to 8 p.m.



QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

**CATTLEYAS** Extra Quality  
50c each

**MRS. JARDINE**, The new pink  
rose—best on the market at  
present. Price \$6.00 to \$8.00  
per 100.

**MY MARYLAND** Excellent flow-  
ers of this beautiful new rose  
\$6.00 to \$8.00 per 100.

**VALLEY, Extra**  
The "Come-again" kind.  
\$3.00 and \$4.00 per 100

## AUTUMN FOLIAGE

Any Quantity. Well Colored.

**W. E. McKISSICK** WHOLESALE  
FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to  
advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill  
your orders to your satisfaction. A complete line of  
Hardy Greens—WILD SMILAX, BOXWOOD,  
HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw  
it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES

LILY OF THE VALLEY, CARNATIONS

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 21		TWIN CITIES Sept. 21		PHILA. Sept. 21		BOSTON Sept. 24	
<b>ROSES</b>								
Am. Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 25.00
"    Extra .....	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.00	to 15.00
"    No. 1.....	10.00	to 12.00	10.00	to 15.00	10.00	to 15.00	6.00	to 10.00
"    Lower grades.....	5.00	to 10.00	5.00	to 8.00	6.00	to 10.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special ....	4.00	to 6.00	4.00	to 6.00	5.00	to 6.00	2.00	to 3.00
"    Lower grades.....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	.25	to 1.00
Killarney, Richmond, Fan. & Sp. ....	4.00	to 6.00	4.00	to 6.00	5.00	to 6.00	2.00	to 4.00
"    Lower grades.....	2.00	to 4.00	1.50	to 4.00	2.00	to 4.00	.25	to 1.00
Kaiserin, Carnot.....	4.00	to 6.00	3.00	to 6.00	2.00	to 8.00	.25	to 4.00
Golden Gate, Chateau, etc.....	3.00	to 6.00	2.50	to 6.00	2.00	to 6.00	.25	to 3.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00	.....	to 2.00	.75	to 1.50
Ordinary.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	.50	to .75
<b>MISCELLANEOUS</b>								
Cattleyas.....	50.00	to 60.00	40.00	to 50.00	.....	to 50.00	50.00	to 60.00
Lilies.....	10.00	to 12.00	5.00	to 12.00	.....	to 15.00	6.00	to 12.00
Lily of the Valley.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Asters.....	.50	to 2.00	1.50	to 3.00	1.50	to 3.00	1.00	to 1.00
Gladioli.....	2.00	to 3.00	2.00	to 4.00	.....	to 3.00	1.00	to 3.00
Dahlias.....	1.00	to 3.00	1.50	to 3.00	1.00	to 4.00	.....	to 1.00
Adiantum.....	.75	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax.....	10.00	to 10.00	10.00	to 13.00	.....	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings.....	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
"    "    & Spren. (100 bchs.).....	15.00	to 20.00	35.00	to 50.00	35.00	to 50.00	15.00	to 50.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE

GROWER of

**CUT FLOWERS**



## HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



WHOLESALE ONLY

## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000.  
Galax, Bronze (Nov. 14 delivery), 50c. Galax,  
Green, 50c. Leucothoe Sprays (green only), \$2.00.  
Ferns, Dagger and Fancy, 70c. Special prices on lots  
of 100,000 and up. Terms, strictly cash, F. O. B. Elk  
Park, N. C. NORTH CAROLINA EVERGREEN CO. Succes-  
sor to F. W. RICHARDS & Co. Banners Elk, N. C.

**E. A. BEAVEN**  
Southern Wild Smilax,  
Log Mosses,  
Natural and Perpetuated—at Wholesale  
EVERGREEN, ALABAMA.

## Flower Market Reports.

**BOSTON.** This market is still overstocked with small roses and asters. Gladioli, which were also in the way, are now going past. As to asters, the white stock is marketable at some sort of price but the colored flowers are unsalable. Lily of the valley finds a fairly even market but at prices lower than in any season heretofore. Little change for the better is looked for until heavy frost or autumn rains put an end to shipments of out-door stock.

**BUFFALO** The market for the past two weeks has been in bad shape, overloaded with stock of all kinds, qualities and quantities. Shipping trade being quiet and a good portion being carried from day to day enormous quantities of asters were finally lost. Gladioli were in good supply and seemed to move more freely than asters. Short cuts of new crop roses were in about the same position as asters—no demand whatever; the same may be said of carnations. American Beauties and lily of the valley moved more freely but too much other stock with very little business has caused the wholesaler to become uneasy. It is hoped that things will turn for the better in a short time.

**CHICAGO** The flower market showed signs of reviving Friday and Saturday, but the hot dry weather continues making anything like satisfactory conditions impossible. The outdoor flowers are fast drying up. Asters are beginning to drop out and some florists are heard to express themselves as glad of it. Asters have been shipped into Chicago from far and near, till it would have been impossible to handle them under favorable conditions, but with the market already overstocked it was exasperating. Dahlias are good in red and white but do not sell and will not so long as asters are in. Gladioli are surrendering to the unfavorable weather and are not very plentiful. Roses are in excess of the demand. Kaiserins are good. Brides and Bridesmaids have to be disposed of quickly. Beauties are fine and on long stems. Carnations are on from six to twenty-four inch stems and the sizes of the blooms vary accordingly. White Perfection is, for the time of the year, "perfection," the blooms very large and the stems from 24 to 30 inches long. There is a steadily growing demand for orchids in this market. Chas. McKellar, who is authority on orchids, says the public are becoming educated up to them. The demand is from the smaller towns as well as the larger cities. A few chrysanthemums October Frost with nice long stems were received Monday by Pochmann Bros.

**DETROIT** The general tone of business is about the same as last week. Extraordinary warm weather with a drought now reaching the sixth week have a decidedly depressing tendency on all business. Prices rule the same. Asters are slowly drying up in the fields and this week will see the last of them. Carnations are improving in

**CUT ASTERS** 50c to \$1.50  
per hundred  
**CUT GLADIOLI** \$3.00 per  
hundred

**ALTIMO CULTURE CO.**

Canfield, Ohio.

both quantity and quality. The same may be said of roses.

**INDIANAPOLIS** There is a little more life and movement in the stores, but nobody seems to be working overtime. Several weddings and fall openings are on the calendar for this month, which will relieve the monotony to some extent. Carnations have shown a wonderful improvement in spite of the extremely hot weather and roses also are getting quite presentable. Asters are about over, as are gladioli. Very few out-door flowers are now presentable. Good American Beauties are being received which sell well. Lily of the valley has done better during September than in August. A few chrysanthemums are seen but they are not much better than fancy asters. Greens of all kinds are very plentiful at usual prices.

**NEW YORK** Not many flowers are in what may be called a real demand. Of the few, Beauties lead in sales and probably will continue to be wanted until the chrysanthemum appears. In small roses very little is doing except for the novelties, and only for them when long stemmed, of which there are not many. The large proportion of roses are moved with difficulty and at low prices. More carnations are appearing as the days go by, mostly rather short in stem, but there are many real good ones with winter length of stems. There is no floating supply of cattleyas. Lilies are plentiful. Asters going off. Plenty of dahlias.

**PHILADELPHIA** There was a glut of everything last week, excepting American Beauty roses. These were of fine quality and in good demand. When a customer sent in an order for some doubtful proposition he generally added: "If you cannot send that, send some good American Beauties." All other roses were far too plentiful. They were good, too, all having improved with the cooler weather. Dahlias are splendid but draggy. Too many asters. We see some signs of aster-wane, however—even if there be no sharp frost to wind them up. Orchids are more plentiful. Single vio-

lets have made their appearance, but are not a factor as yet. Too much lily of the valley. Carnations remain about the same as to quality and demand.

**WASHINGTON** Dahlias are beginning to come in in much larger quantities and they are of fine quality. The aster glut still continues, but the cool spell has cut down the size of the bloom. All green is quite scarce, though as yet the prices have not gone up very much. Cosmos is being received in limited quantity. Roses of all kinds are more plentiful and the quality is steadily improving. There is a steady demand for Bride and Beauty, as well as the good grade of Cochet.

### COMMODORE WESTCOTT GETS A PRESENT.

John Westcott of Philadelphia was a proud man last week when he received a handsome marine telescope mounted on a tripod for the use of guests at his hospitable bungalow at Waretown, N. J., from two of his Boston friends, Colonel William W. Castle and William J. Stewart. A characteristic letter accompanied the gift.

### RESULT OF ADVERTISING A GOOD THING IN A GOOD PAPER.

Beechwood Cemetery Company.

Ottawa, Can., Aug. 22, 1907.  
Bostrom-Brady Mfg. Co., Atlanta, Ga.  
Gentlemen:—The Level arrived all O.K. Tuesday. We are all well pleased with the instrument. Enclosed you will please find express money order for amount of bill. Kindly send receipt for same, and oblige,

Yours very truly,

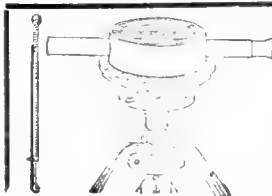
W. CRAIG, Asst. Sec'y.

The Jewell Nursery Co.

Lake City, Minn., May 7, 1908.  
Bostrom-Brady Mfg. Co., Atlanta, Ga.  
Gentlemen:—Your leveling instrument is received and in every way is satisfactory.

Yours very truly,

THE JEWELL NURSERY CO.  
Dict. J. M. UNDERWOOD, Pres.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Country and Landscape Gardening use, take the place of extensive leveling instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.







# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## GREENHOUSES BUILDING OR CONTEMPLED.

St. Paul, Minn.—Fred Schulze, one house.

Portland, Ore.—Henry Jewell, one house.

Putnam, Conn.—E. N. Arnold, one house.

Ridgefield, Conn.—G. I. Haight, one house.

Bridgeport, Conn.—Julius Reck, one house.

Plaistow, N. H.—C. H. Lloyd, one house.

Madison, Conn.—H. J. Coe, one house.

Brooklyn, N. Y.—P. Wagner, house 24x150.

Towson, Md.—A. C. Snyder, house 18x50.

Bozeman, Mont.—W. H. Tracy & Co., one house.

Plymouth, N. H.—W. B. Brackett, one house.

Gloversville, N. Y.—W. J. Larcombe, house 25x100.

Arlington, Va.—C. O. Tavenner, house 24x120.

Darien, Conn.—E. Hartwright, carnation house.

Northboro, Mass.—Miss M. E. Collins, house 20x75.

Covington, Ky.—Covington Seed Co., two houses 20x100.

Kalamazoo, Mich.—Van Bochove & Bro., conservatory.

Newark, N. J.—Mrs. M. K. Voight, three houses each 22x76.

Terre Haute, Ind.—D. Dickinson Produce Co., range of houses.

Milford, N. H.—Rev. Mr. Holden, conservatory; R. & R. Woodman, house.

The Michigan Cut Flower Exchange reports that notwithstanding the dried-up and burnt condition of the woods all through that section of the country they had succeeded in locating fancy ferns. An exceedingly fine quality of shipments began to arrive last Thursday and by Saturday night 300,000 were safely stored away.

## Greater New York Florists' Association, Inc.

Now Open for Cut Flower Consignments  
162 Livingston Street, BROOKLYN, N. Y.  
Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

## ROBERT J. DYSART, Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.  
Books Balanced and Adjusted  
Merchants Bank Building  
28 STATE ST., BOSTON  
Telephone, Main 36.

## JOHN YOUNG

### WHOLESALE FLORIST

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

## H. C. BERNING

### Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

## WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI Sept. 22	DETROIT Sept. 21	BUFFALO Sept. 21	PITTSBURG Sept. 21
<b>ROSES</b>				
Am. Beauty, Fan, and Sp.....	2.00 to 25.00	..... to 20.00	20.00 to 25.00	15.00 to 20.00
" Extra .....	10.00 to 15.00	20.00 to 25.00	15.00 to 20.00	10.00 to 12.50
" No. 1 .....	8.00 to 10.00	15.00 to 18.00	8.00 to 15.00	4.00 to 6.00
" Lower grades.....	4.00 to 6.00	3.00 to 8.00	3.00 to 8.00	..... to 2.00
Bride, 'Maid, F. & S.....	..... to 6.00	4.00 to 6.00	6.00 to 7.00	5.00 to 6.00
" Low. gr. ....	2.00 to 1.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Killarney, Richmond, Fan, & Sp.....	..... to 6.00	4.00 to 6.00	6.00 to 7.00	5.00 to 6.00
" Lower grades.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot.....	4.00 to 6.00	4.00 to 6.00	3.00 to 7.00	2.00 to 8.00
Golden Gate, Chateauf, etc.....	4.00 to 6.00	2.00 to 4.00	3.00 to 6.00	..... to 6.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	..... to 1.00	..... to 1.50	1.50 to 2.00	..... to 1.50
Ordinary.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	..... to 1.00
<b>MISCELLANEOUS</b>				
Cattleyas .....	..... to 50.00	50.00 to 60.00	75.00 to 80.00	50.00 to 60.00
Lilies .....	8.00 to 10.00	..... to 15.00	3.00 to 12.00	6.00 to 10.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Asters .....	.50 to 1.50	.50 to 1.00	.50 to 1.50	.50 to 1.50
Gladioli .....	2.00 to 3.00	1.00 to 3.00	1.00 to 3.00	2.00 to 3.00
Dahlias.....	2.00 to 3.00	..... to 1.00	1.00 to 2.00	1.00 to 2.00
Adiantum .....	..... to 1.00	.75 to 1.50	.50 to 1.50	1.00 to 1.50
Smilax .....	10.00 to 12.50	.15 to 12.00	15.00 to 12.50	12.50 to 15.00
Asparagus Plumosus, strings.....	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	30.00 to 50.00
" " & Spreng. (100 bchs.) .....	35.00 to 35.00	30.00 to 50.00	25.00 to 30.00	25.00 to 35.00

## SAMUEL A. WOODROW

### WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.  
53 West 30th Street, NEW YORK  
Telephone 2083 Madison

## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

In ordering goods please add "I saw it in HORTICULTURE."

## FANCY and DAGGER

Extra fine, \$1.00 per 1000. Bronze and Green Galax, \$1.25 per 1000, \$8.50 case of 10,000. Leucothoe Sprays, \$1.00 per 100. \$7.50 per

## Flowers and Florists' Supplies

The best place in AMERICA to buy

## BAY TREES

## N. F. McCarthy & Co.

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

## GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of EVERGREENS

Fancy and Dagger Ferns  
Bronze and Green Galax

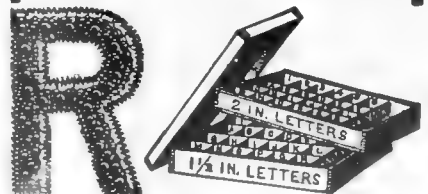
Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x1 1/2, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

N. F. MCCARTHY, Manager

66 Pearl Street, BOSTON, MASS.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegas. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

4-inch.....50 cents each  
5 ".....75 " "  
6 ".....\$1.00 each

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.,  
L. C. Midgley, Prop.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Asparagus Plumous and Sprengeri.  
For page see List of Advertisers.

Asparagus Plumous Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Chumps, \$6.00 per 1000. Peter Mack, Orlando, Fla.

## ASTER AND GLADIOLUS BLOOMS

Alhimo Culture Co., Canfield, O.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2 1-4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Flske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

Weeber & Don, 114 Chambers St., New York.

Bulbs for Forcing.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.

Formosa Lillum Longiflorum: Japan Grown Callas.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Dutch Bulbs and Florists' Supplies.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

Calla Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit L. E. Williams, Nottingham, N. H.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co.,  
White Marsh, Md.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Field Grown.

For page see List of Advertisers.

John E. Haines, Bethlehem, Pa.  
Field Grown

Carnations Imperial and Pink Imperial.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.  
Field Grown Carnations.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.

For page see List of Advertisers.

J. H. Playdon, Andover, Mass.  
Field Grown Carnations.

H. A. Cook & Son, Shrewsbury, Mass.  
Carnations Field Grown.

For page see List of Advertisers.

## CARNATIONS—Continued

P. R. Quinlan, Syracuse, N. Y.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Field Grown Carnations.

For page see List of Advertisers.

Cohanzie Carnation Greenhouses,  
New London, Conn.

Surplus Carnation Plants.  
For page see List of Advertisers.

Fine field grown Enchantress, \$5.00.  
Cash. L. E. Marquisee, Syracuse, N. Y.

130 Carnation Plants, Pink Lawson, for \$4. 130 Enchantress for \$4. Cash. Furst, Florist, Dayton, Ohio.

Field grown Carnation Plants, healthy, large, none better. Enchantress, Mrs. Th. W. Lawson, Boston Market. Lady Bountiful, Cardinal, \$5.00 per 100. Cash with order M. J. Schaaf, Dansville, N. Y.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRISTMAS PEPPERS

Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CINERARIAS

Louis Schmutz, Flatbush, Brooklyn, N. Y.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.  
For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Primulas, Etc.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co.,  
1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

## ELECTRIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

# For List of Advertisers See Page 433

**EVERGREENS**

- New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.
- American Nursery Co., 150 Broadway,  
New York, N. Y.  
For page see List of Advertisers.
- Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

- A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.
- M. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.
- Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.
- F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.
- Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

**FERTILIZERS**

- Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.
- Thos. J. Grey & Co.,  
82 and 83 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.
- German Kali Works, 93 Nassau St.,  
New York.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

- Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

- Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS' SUPPLIES**

- N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.
- J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.
- Chas. H. Green, Spencer, Mass.  
Field Grown Carnations.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

- Edward MacMulkin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.
- J. Brettmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2159-2141 Broadway,  
New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

- W. H. Ernest, 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.
- Whilldin Pottery Co., Philadelphia.  
Standard Flower Pots.  
For page see List of Advertisers.
- The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.  
Zanesville, O.

**FORCING RHUBARB AND ASPARAGUS**

- I have 50,000 three-year old Rhubarb  
roots for this winter's forcing. Also 50,000  
large Asparagus roots for forcing. Order  
now as there is a large demand for these  
roots for forcing. Florists are buying  
heavily. We have also 30,000 Privet,  
35,000 Peach trees, 500,000 Asparagus roots,  
200,000 Strawberry plants, 5,000 Apple  
trees. All ready now to plant. Warren  
Shinn's Nursery Stock, Woodstown, N. J.

**GALAX**

- Michigan Cut Flower Co., 33 and 40 Broad  
way, Detroit, Mich.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.
- No. Carolina Evergreen Co., Banners Elk,  
North Carolina.  
For page see List of Advertisers.
- N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

**GERANIUMS**

- R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

- Gladiolus Blooms by dozen, hundred or  
thousand. Trial order, 100 blooms, mixed,  
\$1.00. J. L. Moore, Northboro, Mass.

**GLASS**

- Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.
- S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.

**GLASS—Continued**

- Metropolitan Material Co., 1398-1408 Met-  
ropolitan Ave., Brooklyn, N. Y.
- Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.
- Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.
- Parshelsky Bros., 59 Montrose Ave.,  
Brooklyn, N. Y.  
For page see List of Advertisers.
- Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.
- GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1183 Broad-  
way, N. Y.

**GLAZING POINT**

- H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1183 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

- Lord & Burnham Co.,  
1183 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset,  
Boston.  
For page see List of Advertisers.
- King Construction Co., N. Tonawanda,  
New York.  
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
For page see List of Advertisers.
- S. Jacobs & Sons, 1365-79 Flushing Ave.,  
Brooklyn, N. Y.
- Metropolitan Material Co., 1398-1408 Metro-  
politan Ave., Brooklyn, N. Y.

**GREENHOUSE CONSTRUCTION**

- GREENHOUSE CONSTRUCTION, Semi-  
iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1183 Broadway, N. Y.
- J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.
- The Weathered Co., New York City.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

- Anchor grade wears well.  
Mineralized Rubber Co., New York, N. Y.

**GUTTERS**

- GUTTERS, Cast Iron Gutters, L. & B.  
improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1183  
Broadway, N. Y.

**HAIL INSURANCE**

- Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

- H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HARDY FERNS AND SUPPLIES—****Continued**

George Cotsonas & Co., 50 W. 28th St., New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Totman, Randolph, Vt. Maidenhair, Dagget and Fairy Ferns.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banners Elk, North Carolina.

For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co., 1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.

For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.

Hydrangea Arborescens Grand. Alba.

For page see List of Advertisers.

Starrs & Harrison Co., Painesville, O.

Hydrangea Ottaka.

For page see List of Advertisers.

**IMMORTELLES**

M. Rice & Co., 1220 Race St., Philadelphia.

Best French.

**INSECTICIDES.**

Nicotie kills all greenhouse pests.

P. B. Paethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.

For page see List of Advertisers.

The Fumigating Kind Tobacco Powder. The first on the market and the kind that has so many imitations, has our guarantee tag of satisfaction or money back.

The Mott Trade Mark on every bag, 800 per 100 lbs. The H. A. Stodhoff Co., Mount Vernon, N. Y. Makers and Sellers.

The Black Stalk Fine Tobacco Powder. Green flies, and black flies too, die on sight of the bag. It is fine as flour, and made from the black strong tobacco for dusting a foliage it is equal to. The H. A. Stodhoff Co., Mount Vernon, N. Y. Makers and Sellers.

APHIDID. A fine tobacco powder, kills all aphids, and other paper insects. We also offer this. We sell direct to the grower, the manufacturer's profit is placed in the nicotine strength of the powder. 24 sheets, each sheet 24 inches long, 650 per 100 lbs. 144 sheets, each sheet 24 inches long, 875 per 100 lbs. 288 sheets, each sheet 24 inches long, 875 per 100 lbs. express paid. The H. A. Stodhoff Co., Mount Vernon, N. Y. Makers and Sellers.

**IRIS**

500 Pseudo-acorus, 6c.; 200 Flavescent, 1000 Mine, Chereau, 3c. each. E. F. Dwyer & Sons, Lynn, Mass.

Iris pallida dalmatica (true variety), the finest of all the German Iris, price \$12.00 per 100; special price on large lots. Now is the time for planting. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

A. Leuthy & Co., Rosindale, Mass.

For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.

Single and Made-Up Specimens.

For page see List of Advertisers.

The Storrs Harrison Co., Painesville, O.

For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banners Elk, North Carolina.

For page see List of Advertisers.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Wm. Elliott & Sons, 42 Vesey St., New York.

For page see List of Advertisers.

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.

For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass. Herbaceous Perennials, Hardy Ornamental Trees.

For page see List of Advertisers.

Clary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers.

Carlman Ribsam, Trenton, N. J. California Privet, Shrubs, Roses, Vinca Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

For page see List of Advertisers.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists

For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.

For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 106.

For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.

For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Rosindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Giants, strong plants, seeds from carefully selected specimen plants, 50c. per 100, postpaid; \$3.00 per 1000. Dunn Greenhouse Co., Rochester, Ind., C. C. Arnold, Manager.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

Wm. Mathews, Utica, N. Y. Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

Orchid peat, Rotted peat, Azaela peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

PEONIES, Humel, a beautiful pink, \$6 per 100. Ivory, fine white, \$8 per 100. Write for our catalogue of novelties. Wagner Park Conservatories, Sidney, Ohio.

Peonies. Newest of the new, and the standard old varieties. Send for catalog. George Hollis, 128 Hollis St., South Weymouth, Mass.

**PHLOXES**

Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy Phlox

Phlox, 20 of the best varieties. John F. Flood Co., East St., Dedham, Mass.

Phlox The Pearl, 1 yr. field clumps, \$3.00 per 100. Norman & Hacker, Painesville, O.

Phlox Miss Lingard, 1 yr. field grown, \$2.50 per 100; \$20.00 per 1000. Norman & Hacker, Painesville, O.

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

Field grown, 1500 Stella's Choice, tall, late, white, 1500 Pantheon, 100 Cross of Honor, 3c. each. E. F. Dwyer & Sons, Lynn, Mass.

**For List of Advertisers See Page 433**



**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**PIPE AND FITTINGS.** Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT BED CLOTH**

Protects your plants.  
Mineralized Rubber Co., New York, N. Y.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

**ROSES — Continued**

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Mrs. Potter Palmer, Cardinal, Beauty.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Grafted Roses. Own Roots.  
For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Roses, strong, own root, 4 inch Chateauay, Killarney, Richmond and Maid, \$8 per 100. Fine stock. Siebrecht & Son, New Rochelle, N. Y.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

T. J. Grey Co., 32 So. Market St., Boston, Mass.  
For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., 1017 Market St., Phila.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Rickards Bros., 87 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
Christmas Flowering Sweet Peas.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.

Skidelsky & Irwin Co., 144 N. 7th St., Philadelphia.  
For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SMILAX**

R. Vincent Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

Smilax, strong, from 2-12 inch; \$2.50 per 100. Cash. L. E. Marquisee, Syracuse, N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

We have a large stock of fresh gathered sphagnum. Sample bale shipped on request to prove the quality and quantity. The Ocean Co. Moss & Peat Co., No. 11, Waretown, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**SULFUR BURNER**

Benj. Dorrance, Rose Growers, Dorranceton, Pa.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**TROLLIUS**

1000 Trollius Europaeus, \$5.00 per 100. E. F. Dwyer & Sons, Lynn, Mass.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

**VENTILATING MACHINERY.** New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

**VIOLET PLANTS**

Chas. Black, Hightstown, N. J.  
Field Grown Violets.  
For page see List of Advertisers.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Welgel & Uffalussy, 136-138 W. 28th St., New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework. Compare our prices with others. Scranton Florist Supply Co., 24 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....\$ 0.75  
144 sheets..... 3.50  
288 sheets..... 6.50  
1728 sheets..... 35.10

# "NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICES!

Pint.....\$ 1.50  
½ Gallon..... 5.50  
Gallon..... 10.50  
5 Gallons..... 47.25

## WHOLESALE FLORISTS— Continued Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

## New York

J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New  
York.

For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.

A. H. Langjahr, 65 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

John J. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New  
York.

For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th  
St., New York.

For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 26th St.,  
New York.

For page see List of Advertisers.

Milang Bros., 41 W. 23th St., New York.  
For page see List of Advertisers.

John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.

Greater New York Florists' Association,  
162 Livingston St., Brooklyn, N. Y.,  
For page see List of Advertisers.

## Philadelphia

W. E. McKissick, 1619-1621 Ranstead St.,  
Philadelphia, Pa.

For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadel-  
phia, Pa.

For page see List of Advertisers.

## WHOLESALE FLORISTS— Continued

The S. S. Pennock-Meehan Co., 1608-16  
Ludlow St., Philadelphia, Pa.

For page see List of Advertisers.

## Pittsburg

J. B. Murdoch & Co., 714 Penn Ave., Pitts-  
burgh, Pa.

For page see List of Advertisers.

## St. Louis

H. G. Bernal, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

## WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St.,  
New York.

For page see List of Advertisers.

## WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### CHRISTMAS PEPPERS; HYDRAN- GEA OTASKA.

The Storrs Harrison Co., Painesville, O.  
For page see List of Advertisers.

### CARNATIONS; CHRISTMAS PEP- PERS; SMILAX.

Morel Bros., 624 E. Market St.,  
Scranton, Pa.

For page see List of Advertisers.

### CYCLAMEN SEED.

H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

### CYCLAMEN SEED.

H. E. Fiske Seed Co., 13 Faneuil Hall Sq.,  
Boston.

For page see List of Advertisers.

### FLOWERING AND FOLIAGE PLANTS.

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

### PAEONIES.

Samuel C. Moon, Morrisville Nurseries,  
Morrisville, Pa.

For page see List of Advertisers.

## NEW OFFERS—Continued

### PAEONIES.

Henry A. Dreer, Philadelphia.  
For page see List of Advertisers.

### PANSY PLANTS.

Augustus Zirngiebel, Needham, Mass.  
For page see List of Advertisers.

### PLANT STAND.

Moore Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

### RETAIL FLORIST.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

### ROSES.

J. W. Adams & Co., Springfield, Mass.  
For page see List of Advertisers.

### TREES, SHRUBS, ROSES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.  
For page see List of Advertisers.

### TUBE AND PIPE COUPLING.

The Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

## HELP WANTED

## GOOD MEN

When you need good men,  
skilled or unskilled, Write:

**THOS. H.  
BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for  
Florists, Nurserymen, Seedsmen and the  
Horticultural trade generally.

## SITUATIONS WANTED

WANTED SITUATION—As forester or  
park foreman. Good references. Address  
B, care HORTICULTURE, 11 Hamilton  
Place, Boston.

SITUATION WANTED in general green-  
house work or florist store. Life experi-  
ence: age 35. Address N. J., care HORTI-  
CULTURE.

## FOR SALE

FOR SALE—Retail nursery, sixth year,  
doing good, steady and increasing trade.  
Stock in excellent condition. Only local  
supply for community of 50,000. For  
particulars address R. N., care HORTI-  
CULTURE, Boston.

FOR SALE—Nine-room house, good barn,  
new greenhouse 110 feet long, new boiler  
and fittings, hen houses, all in good repair;  
three acres land, horse, wagons, etc. Price  
reasonable. Fine place for market gar-  
dener; near good market. Address Box 24,  
Middale, Conn.

FOR SALE—Gurney Hot Water Heater  
No. 401, 1½ and 2 inch pipes and fittings.  
E. M. Ingalls, 43 Whiting St., Lynn, Mass.

## READY NOW

PTERIS TREMULA and PTERIS ARGYREA  
Strong 2½ inch pot plants, \$2.50 per 100, \$20.00  
per 1000.

### ARAUCARIAS

Never had a better lot. 5 inch pot plants, 12  
inches high, 3 tiers, 6-7 inch pot plants, 14  
inches high, 3 and 4 tiers, 7-8 inch pot  
plants, 16 inches high, 4 tiers, \$1.

### PRIMULA SINENSIS

Fine strain. 2½ inch pots. \$1 per 100.

### PRIMULA OBCONICA

2½ in h. White, Pink and Red at \$2.50 per  
100.

### CHRISTMAS PEPPERS

4 in. full of fruit, \$10.00 per 100.

### HYDRANGEA OTASKA

Field grown, 4 to 6 flower shoots, and bushy,  
\$12.00 per 100.

### PANDANUS UTILIS

2½ inch pots, \$6 per 100; 4 inch pots, \$12.50  
per 100.

### SMALL FERNS for dishes.

Extra fine stock—all varieties 2½ inch pots,  
\$3.00 per 100. \$25.00 per 1000.

### BOSTON FERN

From bench, ready for 4 inch pots, \$10.00 per  
100; 5 inch pot size, \$15.00 per 100. 6 inch  
pot size, \$25.00 per 100.

### FICUS ELASTICA

4 inch pot, 10 to 12 inches high, \$25 per 100;  
5 inch pots, 20 inches high, \$50 per 100.

### KENTIA BELMOREANA

2½ inch pot plants for centers of ferneries, \$7  
per 100.

THE STORRS & HARRISON CO.,

PAINESVILLE, OHIO

## List of Advertisers

Page	Page
Adams J.W. & Co. .... 415	McConnell Alex. .... 422
Advance, The Co. .... 435	McKellar Charles W. .... 424
Altimo Culture Co. .... 425	McKissick, W. E. .... 424
American Nursery .... 415	McManus Jas. .... 426
Aschmann G. .... 466	Meyer I. C. & Co. .... 413
Atlanta Floral Co. .... 422	Michell H. T. Co. .... 419-433
Bambrick Thos. H. .... 432	Michigan Cut Flower
Barrows H.H. & Son. .... 408	Exchange. .... 427
Bassett & Washburn. .... 468	Midgley L. C. .... 468
Bayersdorfer H. & Co. .... 423	Millang Bros. .... 426
Bay State Nurseries. .... 415	Mitting, A. .... 417
Beaven E. A. .... 424	Moninger J. C. .... 435
Berning H. G. .... 427	Moon Samuel C. .... 415
Black Chas. .... 408	Moore, Hentz & Nash. .... 426
Boddington A. T. .... 417	Morel Bros. .... 408
Boston Florist Letter	Morre-Livingston Co. .... 423
Co. .... 427	Morse C. C. & Co. .... 419
Boston Plate and Win-	Murdoch J. B. & Co. .... 424
dow Glass Co. .... 434	Murray Samuel .... 422
Bosch, Felix. .... 417	New England Nur-
Bostrom-Brady Mfg.	series. .... 407
Co. .... 425	Niessen Leo. Co. .... 424
Braslan Seed Growers	North Carolina Ever-
Co. .... 419	green Co. .... 424
Breck Joseph & Sons. .... 417	Oechlin Frank .... 496
Breitmeyer's J. Sons. .... 422	Ordenez Bros. .... 413
Bridgeman's Seed	Ouwkerk P. .... 415
Warehouse. .... 419	Pacific. .... 415
Budlong J. A. .... 424	Palethorpe P. K. Co. .... 433
Burpee W. A. & Co. .... 419	Park Floral Co. .... 422
Carrillo & Baldwin. .... 413	Parselsky Bros. .... 434
Castle Co. .... 420-421	Payne John A. .... 434
Chicago Carnation	Pennock-Meehan Co. .... 424
Co. .... 408	Perkins St. Nurseries. .... 406
Clarke's David, Sons. .... 422	Pierce F. O. Co. .... 434
Clary's Horticultural	Pierson, A. N. .... 406
Co. .... 415	Pierson F. R. Co. .... 406
Cohanzie Carnation	Pierson U Bar Co. .... 436
Greenhouses. .... 408	Peehlmann Bros. Co. .... 406-415
Cook H. A. & Son. .... 418	Pratt B. G. .... 433
Cotsonas Geo. & Co. .... 427	Pulverized Manure Co. .... 433
Cowee W. J. .... 427	Quaker City Machine
Craig, Robt. Co. .... 406	Co. .... 435
Crawback Geo. W. .... 427	Quinlan P. R. .... 468
Dingee & Conard Co. .... 415	Raynor John I. .... 426
Doane Geo. B. & Son. .... 435	Reed & Keller. .... 426
Dorner F. Sons & Co. .... 408	Reinberg Peter. .... 424
Dreer H. A. .... 407-433	Ribsam Carlman. .... 407
Dunlop John H. .... 422	Rice Bros. .... 424
Dysart R. J. .... 427	Richardson Bros. .... 419
Edwards Folding Box	Robinson H.M. & Co. .... 424
Co. .... 424	Rock Wm. L. Flo. Co. .... 422
Elliott Wm & Sons. .... 417	Roehrs Julius Co. .... 413
Ellwanger & Barry. .... 415	Roper Albert. .... 408
Elm City Nurs'y Co. .... 415	Roland, Thomas. .... 418
Esler J. G. .... 435	Rolker August & Sons. .... 434
Ernest W. H. .... 434	Rose Hill Nurseries. .... 413
Eyres. .... 422	Sander & Son. .... 413
Farquhar R. & J. & Co. .... 418	Schulz Jacob. .... 423
Fenrich J. S. .... 426	Scott, John. .... 466
Fiske, H. E. Seed Co. .... 419-433	Sharp, Partridge & Co. .... 434
Foley Mfg. Co. .... 435	Sheridan W. F. .... 426
Ford Bros. .... 429	Siggers & Siggers. .... 435
Froment H. E. .... 426	Situations & Wants. .... 432
Galvin Thos. F. .... 422	Skidelsky & Irwin Co. .... 417
German Kalt Works. .... 418	Smyth Wm. J. .... 422
Green Chas. H. .... 408	Standard Plate Glass
Greater N.Y. Florists' Association. .... 427	Co. .... 434
Grey T. J. Co. .... 417	Stearns A.T. Lumber
Gude Bros. Co. .... 422	Co. .... 435
Guttman Alex. J. .... 426	Storrs & Harrison Co. .... 432
Hall Asso. .... 435	Stumpp & Walter Co. .... 433
Haines, J. E. .... 408	Thorburn J. M. & Co. .... 417
Hartmann Hjalmar & Co. .... 419	Tolman H. M. .... 406
Hauswirth M.C. & J. E. .... 422	Totty Chas. H. .... 408
Heacock Joseph. .... 413	Traendly & Schenck. .... 426
Herbert David & Son. .... 417	Twomey D. J. .... 415
Hews A. H. & Co. .... 434	Valentine, J. A. .... 422
Hilfinger Bros. .... 434	Velthuys K. .... 417
Hill, The E.G. Co. .... 413-415	Venlton R. Jr. & Sons, .... 408-418
Hippard E. .... 434	Waterer John & Sons. .... 415
Hoffman. .... 423	Weathered Co. .... 436
Horan E. C. .... 426	Weber F. C. .... 422
Houghton & Clark. .... 422	Weber & Don. .... 417
Hunt E. H. .... 433	Welch Bros. .... 428-424
Kentucky Tobacco	Wengel & Ujalsusy. .... 426
Product Co. .... 432	Whilldin Pottery Co. .... 434
Kessler, P. F. .... 426	Willson. .... 422
King Cons. Co. .... 434	Winterson E. F. Co. .... 424
Kroeschell Bros. Co. .... 435	Witbold Geo. Co. .... 426
Kuebler Wm. H. .... 427	Wood Bros. .... 407
Lager & Hurrell. .... 413	Woodrow, Sam'l A. .... 427
Langjahr, Alfred H. .... 426	Worcester Conserva-
Leuthy A. & Co. .... 406	tories. .... 408
Lord & Burnham Co. .... 436	Yokohama Nursery Co. .... 417
Lutton W. H. .... 435	Young John. .... 427
Manda Jos. A. .... 413	Young & Nugent. .... 422
MacMulkin E. A. .... 422	Zangen O. V. .... 419
Mathews Wm. .... 413	Zinn Julius A. .... 422
McCarthy N. F. & Co. .... 413-427	Zirngiebel A. .... 408
	Zvolanek A. .... 419

NOW IS THE TIME TO USE



Pat'd  
Mar. 25,  
1901.

## DREER'S Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Calvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

### BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. Drear's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

**IF YOU ARE BUILDING** Let us know the thickness of glass you intend using and we will send samples of the size point needed.

**HENRY A. DREER, 714 CHESTNUT ST., PHILADELPHIA, PA.**

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

**H. E. FISKE SEED CO.**  
13 Faneuil Hall Sq., Boston, Mass.

**STUMPP & WALTER CO.,**  
50 Barclay St., New York.

**HENRY F. MICHELL & CO.,**  
1018 Market St., Philadelphia.

**E. H. HUNT, Gen'l Agent,**  
76-78 Wabash Ave., Chicago.



The Best  
Bug Killer and  
Bloom Saver

For PROOF

Write to

**P. R. Palethorpe Co.**  
OWENSBORO, KY.

**DON'T NEGLECT FALL SPRAYING!**

Now is the time to prepare to use

## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

**GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE**

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

**B. G. PRATT CO., Mfg. Chemists,**  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York



**THE PULVERIZED MANURE CO.**  
31 Exchange Ave., Union Stock Yards, Chicago

## TO BUYERS

Patronize our advertisers, they will treat you right

IS YOUR NAME IN THE ABOVE LIST? IF NOT, WHY NOT?



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

## JOHN A. PAYNE

Greenhouse Designer and Builder

260-274 Culver Ave., Jersey City



THE  
PAYNE

Galvanized Iron non-freezing Z Bar Eaves Plate is acknowledged to be the best and the most durable. No inside drip, no

sockets to hold moisture around wood bars.

Iron and wood frame greenhouses of every type—material only or erected.

LET US ESTIMATE.



NEW HEATING APPARATUS.

C. D. Mills, Stratford, Conn., new boiler.

Marion E. Collins, Northboro, Mass., new boiler.

### LIST OF PATENTS.

898,256. Rotary Weed-Cutting Machine. John G. Olson, Harrington, Wash.

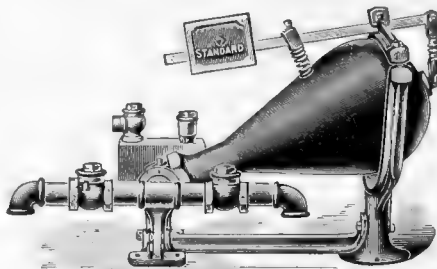
898,241. Plant Protector. Edwin R. Drake, De Land, Fla.

898,419. Blade for Cultivators and Similar Agricultural Implements. Samuel L. Allen, Moorestown, N. J.

898,999. Insect Destroyer. Jerry M. Murfit, Sweetwater, Tex.

The Foley Manufacturing Co. of Chicago has just sent a car load of greenhouse material to Spokane, Wash.

## THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO

WE HAVE SOME SNAPS

## GREENHOUSE GLASS

JOBBERS AND DEALERS IN

## Plate and Window Glass

Write for Our Prices

## PARSHELSKY BROS.

59 Montrose Ave., BROOKLYN, N. Y.

BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

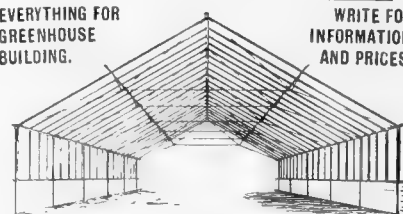
German and American

261 to 287 A St., Boston 20-22 Canal St.



EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses. King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.

Trussed Iron Frame Houses.

Tile Benches and Pipe Hangers.

## KING CONSTRUCTION COMPANY

NORTH TONAWANDA, N. Y.

## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
\$500 2 1/2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 2 1/4 " " 3.25	60 8 " " 3.00
1500 2 1/4 " " 6.00	
1000 3 " " 5.00	<b>HAND MADE</b>
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
320 5 " " 4.51	24 11 " " 3.60
144 6 " " 3.16	24 12 " " 4.80
	12 14 " " 4.80
	6 16 " " 4.50

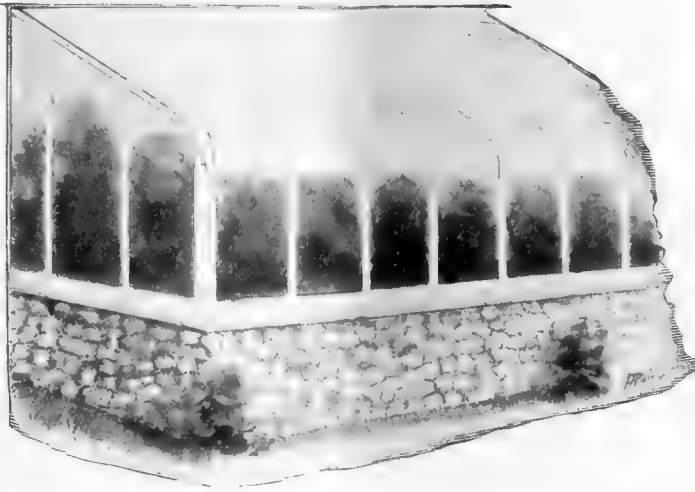
Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Holker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower .. POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

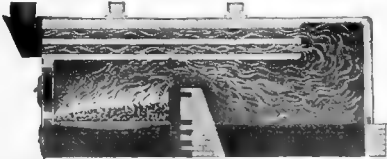


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER

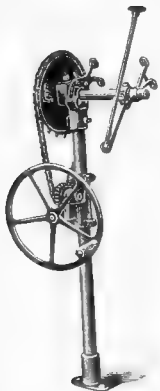


**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

You will find the greatest satisfaction in using our line of goods, because it does first-class work at all times, does it easily, lasts a life time and is sold right. Get our estimate on what you need, give us a trial order and we know you will come again. They all do. Free circulars. Free estimates.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**GREENHOUSE CONSTRUCTION LUMBER**

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

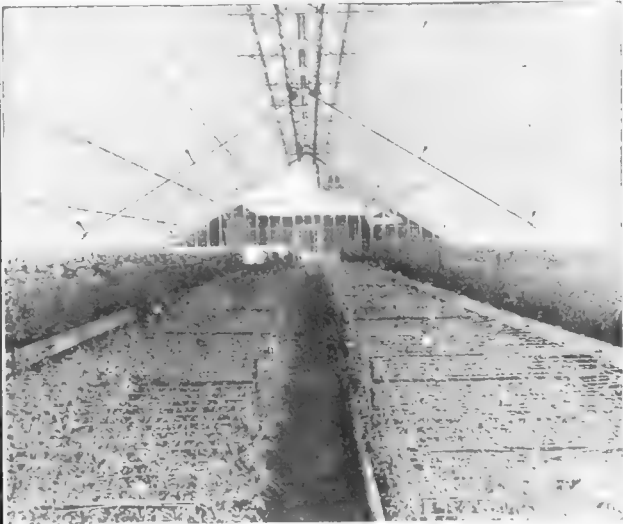
Write for free catalogue to  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**



## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 FEET HIGH  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

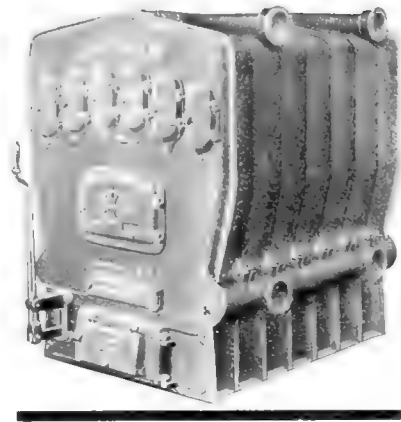
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.



## That Matter of Coal

Either kind — soft or hard — burned in the  
"Burnham" Boilers and no change of grate.  
That's one part of the coal question — the  
other, one of economy, we can prove! —  
prove by those who have proven it.

SEND FOR NEW CATALOG

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
819 Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## THE EVOLUTION OF THE GREENHOUSE

Compare the old narrow-paned, heavy framed, stuffy greenhouse of a few years ago, with the present lean-barred, wide-paned, sunsome U-Bar structure. The former with decaying roof bars, glass breakage and constant need of repairs; then note the curved eave of the U-Bar house, its downright attractiveness and its structural simplicity in every line and you have a most convincing object lesson. Send for catalog.

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. OCTOBER 3, 1908 No. 14



PINE BANK, OLIVEST PARK, BOSTON

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*

## A WONDERFUL NEW NEPHROLEPIS

# Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type.**

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out.** It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

### ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants, 2 1/4 inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### I HAVE JUST RETURNED

from my annual business tour of the European sources of supply and can offer Bargains in *Kentias* and other **Decorative Plants**, all sizes. Also the following at **Lowest Import Prices**. 15,000 *Azaleas*, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of *Rubbers*, *Crotons*, *Araucarias*, *Pandanuses*, *Asparagus plumosa* and *Sprengeri*. Also a large collection of **small ferns** for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For *Araucarias*, *Bays*, *Kentias*, *Solanums*, *Lorraine Begonias*. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

### JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

### NEP. WHITMANI

2 1/4 in., \$5.00 per 100

### NEP. WHITMANI

3 1/2 in., \$25.00 per 100

### BOSTON FERNS

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

## FINE 4-INCH POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5 00 per 100; \$45 00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

## DECORATIVE PLANTS

*Araucaria Excelsa*, *Pandanus Utilis*, *Dracaena Indivisa*, *Kentias*, *Latanias*, *Arecas*, Etc.  
Perennials and Shrubs.

Send for our price list. We have a complete stock

### The Geo. Wittbold Co.

1657 Buckingham Place,

Chicago, Ill.

### FERNS for DISHES

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

### FRANK OECHSLIN

2570-2606 W. Adams St., Chicago.  
Formerly Garfield Park Flower Co.

### A. N. PIERSON, Inc. CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. *Roses*, *Lily of the Valley* and *Carnations*. We also grow a general assortment of flowers in their season

## TO BUYERS

Patronize our advertisers. they will treat you right







## Growing the Fern Ball



It is a great pity that there are not more good specimens of the fern ball seen in our homes for as an ornamental addition to a room it is most desirable, if well grown. Every catalogue shows an illustration of a very attractive plant but outside of the catalogues there are very few good examples in sight. The balls are received in the fall and many thousands are sold yearly but many more are not sold and these latter are stored away to await the coming of another season when they can be again served up in company with fresher arrivals. While in many cases this enforced retirement has not done them any good from the fact that they had been improperly stored, drying them out, they can be, despite this rough treatment, made to develop into very fine examples of what fern balls should be.

A reference to the two pictures accompanying this article will show two fern balls that were of the carried-over-from-a-season variety. These were two of a half-dozen that were bought at a bargain and while they all thrived these were the particularly attractive examples. When first brought into the house they were thoroughly soaked and then hung in the light. When growth had started they were regularly treated, every two weeks, to a bath of manure water. They were never allowed to become dry. While the manure water seems to be an essential in the treatment of fern balls, in using it there is a liability of being obliged, speedily, to make a quick choice between your fern ball and your lodgings. The manure water will start the ball growing but it will also start a wave of disapproval that will be quite convincing. However, if you care for a fern ball you must contrive to treat it as above suggested.



The balls shown in the picture are used as table centre pieces. Holes are bored in them with a pencil and cut flowers inserted. Using them alternately keeps them in good condition and keeps on hand an ever-ready table decoration. When the foliage has begun to wither the ball should be stored so that it will not become dried out. Burying it in the ground for a few weeks before starting it into growth will materially benefit it and assist its start. It would be well to watch the string that binds the moss as it is liable to rot out. A little attention to this detail will prolong the life and usefulness of the fern ball.

Salesmen in florist stores should be prepared to give instructions as above to their customers and the result would be a very greatly increased demand and sale for these useful subjects.

*Frederick J. Doogue*

### Pine Bank, Olmsted Park, Boston

Our cover illustration this week shows a bit of hill-side scenery in the Boston parks. The Boston park system abounds in such examples, where excellent taste and wisdom have been shown in preserving the original topography and the natural features of the woodlands under proper supervision and control but avoiding all suggestion of the "creating" or "reconstructing" which has permanently despoiled the beauty of so many public reservations.

# HORTICULTURE

VOL. VIII

OCTOBER 3, 1908

NO. 14

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00: To Foreign Countries, 2.00: To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
Discounts on Contracts for consecutive insertions, as follows:  
One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;  
six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Pine Bank, Olmsted Park	
GROWING THE FERN BALL—Luke J. Doogue—Illustrated	441
PINE BANK, OLMSTED PARK, BOSTON	441
HORTICULTURE AT THE FRANCO-BRITISH EXHIBITION—C. Harman Payne	443
NEWS OF THE CLUBS AND SOCIETIES:	
Society of American Florists—Gardeners' and Florists' Club of Baltimore City—Connecticut Horticultural Society—Lenox Horticultural Society—Columbus Florists' Club—Huntington Horticultural and Agricultural Society—American Institute Dahlia Show	444
London Dahlia Union—Mineola Fair—The Vincent Festival—International Exhibition of the East of France—Club and Society Notes	445
CYCAS CULTURE IN BERMUDA—Illustrated	446
OBITUARY—James W. Paul, Jr.—Mrs. Cochran	447
STANDARD POTS IN RELATION TO CHEMICAL FERTILIZERS—Dudley M. Pray	448
CONSERVATORY AT GARFIELD PARK, Chicago—Illustrated	450
AGRICULTURAL EDUCATION—Walter L. Jagger	450
SEED TRADE	452
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit, New York, Philadelphia, Washington, Twin Cities	457
MISCELLANEOUS:	
Coming Events	446
School Exhibitions	446
Lawrence Cotter Gets a "Send Off"	446
Field Notes	446
Sweet Pea Classification	447
Silene Laciniata	447
Telekia Cordifolia	448
"Wireless" from Westerly, R. I.	448
Decisions of the Board of General Appraisers	449
Gentiana Acaulis	449
Seeding Begonia Gloire de Lorraine	449
Beautiful Flowers and How to Grow Them	449
Catalogues Received	452
Publications Received	452
Plant Imports	453
Incorporated	453
Business Changes	454
Steamer Departures	454
Personal	455
New Retail Flower Stores	455
News Notes	455
Greenhouses Building or Contemplated	466
Where Prosperity Thrives	466
Patents Granted	466
New Heating Apparatus	466

exceedingly attractive and were produced with little expense and their exhibition at that season suggested possibilities for Christmas which, strange to say, growers of holiday specialties seem not to have taken note of. Some of the single-flowered varieties should make splendid subjects for this culture, with their vivid scarlet, crimson or parti-colored flowers. Doubts have been expressed as to the possibility of producing well-flowered pot grown dahlias in the short dark days of December but many things are done today which, not so very long ago, would have been declared impracticable and it is hardly in keeping with the progressive spirit of present-day floriculture to assert that the dahlia cannot be conquered. The possibilities in sight surely warrant the effort.

### The revolution in the cut flower business

Developments from year to year all tend to the unwilling conviction that the days of the small grower as a factor in the cut flower business are about numbered. The advent of the capitalist, either directly as proprietor or in the capacity of financial backer for the individual or corporation engaged in commercial flower production, has made a radical change in aspect and conditions and the big rose and carnation factories, with their advantages of indestructible construction, stupendous heating systems, watering and feeding apparatus, division of labor and grading of products, have already so affected the markets that the standard of value in much of the staple product has declined from time to time until it is now but a fraction of what the old-time grower regarded as his just due, while the standard of quality for which an appreciative regular demand may be found has advanced steadily. It seems to us that one of the most deplorable results due to the changed conditions is the eagerness of the experienced grower to accept employment at wages so low as to be out of all proportion to the responsibility assumed and the ability called for in the management of a large establishment. It is safe to say that in no other manufacturing industry is executive efficiency and technical knowledge, in a superintendent or manager so poorly paid, everything considered.

### Of interest to Bostonians

The recent exhibition of the New England Dahlia Society in Tremont Temple, Boston, apart from the general question of excellence as exhibitions go, was the object of deep interest to many, owing to the fact that in its prospectus much had been made of its being located in the densely thronged down-town shopping neighborhood which the Massachusetts Horticultural Society had abandoned when it removed a few years ago to the Back Bay section of the city. Tremont street in the vicinity of Tremont Temple is one of the most crowded thoroughfares in this country and here surely was an excellent opportunity to test the attitude of the great sidewalk public generally towards flower shows and to form an opinion specifically as to the wisdom of the Massachusetts Horticultural Society in moving away. The result left no room for doubt. Just as in bygone days they had passed, unheeded, the bulletins at the portals of old Horticultural Hall announcing the "grand" free flower shows, so now the crowd surged by, regardless, all day long, and the fact that 20,000 dahlias, more or less, might be inspected at will for a trifling admission fee concerned them not. Our views, often expressed, as to where the key to popular support for flower shows may be found, whether they be sound or not, are doubtless well-known to our readers and we

### A possible opening for the dahlia

A couple of years ago there were shown at one of the exhibitions of the Massachusetts Horticultural Society some pretty little cactus dahlias grown from cuttings in three and four-inch pots, in bloom in November. They were

will let them rest for the present but we are more than ever convinced that a more popular place than the halls of the Massachusetts Horticultural Society, in which to hold any kind of a flower show in Boston, has not yet been discovered.

## Horticulture at the Franco-British Exhibition

### III.

#### THE ELITE GARDENS

Right in the middle of the grounds of the Exhibition is a handsome bandstand surrounded by a sunken auditorium, the whole enclosed with a fine stone balustrade. A circular promenade gravelled, and of good width to allow of easy circulation by the numerous visitors, runs around the entire construction and from it branch in all directions paths bounded on each hand by grassy lawns of various shapes and sizes. These Elite Gardens are unquestionably the most extensive in the whole Exhibition and if not actually the finest from the horticulturists' point of view they are at any rate a very important part of the outdoor gardening.

In early summer time they of course presented a far different aspect from that which they now do, and one of the most attractive exhibits then came from Millet & Sons of Bourg-la-Reine, France. It was composed of several large collections of *Iris grandiflora* of which there was an enormous number of varieties and of which perhaps no good reason exists for troubling American readers with the names. We ought not to omit mention of an exhibit of peonies by the same firm which was contained in several circular beds immediately facing the Restaurant Paillard and which later on in the season made way for dahlias.

The peony is essentially a flower in which Americans take an interest and we therefore mention just a few of the most interesting in Millet & Sons groups. They were Albert Crousse, M. Calot, Mlle. Dessert, Marie Deroux, Couronne d'Or, Flambeau, Henry Dunay, Emile Bourbon, M. de Chanay, Pauline, La Coquette, Louis Van Houtte, Thos. S. Ware, Mlle. Louise Calot, and others.

Just behind the Restaurant Paillard and in front of the Pavilion of the City of Paris were some large groups of azaleas and rhododendrons exhibited by Moser & Son of Versailles. They made a fine show and the best of the latter were Ph. Jacques Vincent, Mlle. Therese de Vilmorin, Duc de Montpensier, Mme. Felix Guyon, M. Chas. Sequin, Mme. G. Bertin, Claude Monet, Ampere, M. Albert Viger, Jacques Moser, M. Fritz Bluay. *Azalea pontica* President Carnot, *Azalea hybride* de Mollis M. Hardy, *Azalea glauca stricta* and *Kalmia Pavardi* formed a not inconsiderable portion of the display. Another large group of rhododendrons had some massive plants full of flower and of these Arago, Jeanne Sure, Directeur Chandese, Mme. Marie de Speransky, Mme. Jules Porges, Mme. Aug. Pellerin, Bengali and Alphonse Mallet were noteworthy examples of this firm's cultural skill.

A later visit enabled us to take note of many of the beds in the Elite Gardens that were not in full flower when we first went there. We have some difficulty in deciding how to start so as not to miss any of the exhibits and finally begin at the left hand corner of the lower end of the Gardens and work our way systematically around. R. Goyer of Limoges has several fine

lots, principally roses, and clematis, although one little bed with a large plant of *Musa ensata* in the middle surrounded with cannas and a ribbon edge of crimson zonal pelargonium Paul Crampel must be noted. In the rose borders, some of enormous length, Goyer has in the rambler class Mme. Norbert Levavasseur, Maman Levavasseur and Mme. Wm. Cutbush. Others include well-known standard varieties.

We cannot enumerate his clematis on account of their numbers, but a few, *Proteus*, *Leonidas*, *La France*, *Gipsy Queen*, *Venosa*, *Etoile Violette*, *Xerces*, *Jackmani*, *Marcel Moser*, *M. Van Houtte*, *Ville-de Lyon*, *Modesta*, The President, deserve a passing mention.

Croibier & Son of Lyons have a large rose border, *Kaiserin* and *La France* being planted in huge numbers. Chas. Molin of Lyons has roses in large numbers and gladioli, also some dahlias. Of the roses *Liberty* is grand, besides scores of others all in fine form.

Pere Guillot's name is known to all rosarians. He has many bush plants and standards among which we noted G. Nabonnaud, Mme. Margottin, Hugh Watson, Horace Vernet, Pharisaer, Prince Arthur, Princesse de Sagan, *La Favorite*, W. F. Bennett, Dawn, Killarney, *Senateur Vaisse*, etc. Pernet Ducher is another eminent French rose grower. On a triangular grass lawn he has an immense border filled with Teas and Hybrid Teas. How can we describe them? It is practically impossible in the space at our command. The perfume attracts numberless visitors and we hear on right hand and left exclamations of surprise and admiration from those who like ourselves are viewing this choice collection. Jean Note, Laurent Carle, Ferd. Jamin, Anna Olivier, Mrs. Aaron Ward, Gustave Regis, M. Paul Lede, Joseph Hill, Mme. Pernet-Ducher, *Le Progres*, *Souvenir du President Carnot*, Mme. Abel Chatenay, Ant. Rivoire, *Etoile de France* are but a few out of this great collection.

The last bed of roses to be noted is that from Levavasseur & Son. It is rather a small collection when compared with some of the others and contains a number of dwarf plants of the polyantha varieties.

We must now leave the roses for other flowers. A. Gravereau has several beds of asters, zinnias and gladioli. Several beds of varying sizes and shapes are planted by L. Ferard. One of them has *Begonia* double multiflore Phosphorescent with an edging of *Gnaphalium tomentosum*. Another contains *Begonia* double multiflore var. *Fulgurant* edged with golden pyrethrum.

The world-famed house of Vilmorin Andrieux & Co., at the top end of the Elite Gardens has a huge border planted with gladioli, and at the lower end another one containing some fine cannas. We noted Luigi Baretta, Fanion, Roi Humbert I, *Ecliptique*, Comtesse de Breteuil, Thorene, Comtesse de Sartout, Marquis de Poulence, Claude Brevet, and others. Between the cannas some sturdy plants of dahlias are just coming into flower, and the whole bed is encircled with an edging of *Centaurea candidissima*.

We have, ere we leave this part of the Exhibition, yet a few more beds to inspect. These are from Cayeux & Leclerc. One is of gladioli, another *Anchusa Italica*, a third of *calceolarias*, while a fourth is a long curved bed planted with *Nicotiana Sanderae*, cannas, and an edging of French marigolds. A curious winding border from the same house contains dahlias in quantity with many varieties of verbenas intervening and this, too, is edged with French marigolds.

Chas. M. Payne

## NEWS OF THE CLUBS AND SOCIETIES.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

#### The National Flower Show.

The Executive Committee had its meeting in Chicago, Sept. 25, and received reports from all sub-committees and took important action.

The secretary was instructed to have 2,000 copies of the final premium list printed and mailed by Oct. 10. President Traendly was requested to offer the gold medal of the S. A. F. for the most interesting and educational exhibit in the show. Chairman Poehlmann of the reception committee, reported that elaborate plans were being made for the entertainment of visitors to the show, and he was authorized to expend not exceeding \$1,000 from the net proceeds of the bar and cut flower booth concessions. Chairman Koenig of the special features committee reported that an exhibit was being planned which would show the evolution of floral designing for the last twenty-five years.

Action was taken fixing the general admission at 75 cents for adults, and 25 cents for children of school age; fixing the price of trade tickets at 35 cents. The action offering a season ticket for \$1.00 to florists not members of the S. A. F., reconsidered and rescinded. J. H. BURDETT, Sec'y.

### THE GARDENERS' AND FLORISTS' CLUB OF BALTIMORE CITY.

At the semi-monthly meeting of the Gardeners' and Florists' Club held on Sept. 25th a copy of a bill as amended at a conference of entomologists, agricultural chemists and manufacturers held in New York June 18, 1908, for preventing the manufacture, sale, or transportation of adulterated or misbranded fungicides, paris greens, lead arsenates, and other insecticides, and for regulating traffic therein and for other purposes was read to the club by the secretary. A free discussion of the matter followed the reading of the bill, the unanimous opinion of the members being that as continuous purchasers of the articles mentioned in the bill it was of the utmost importance that they know the exact strength and quality of the material purchased. The bill appearing to be fair to both the manufacturer and the consumer, a committee was appointed to draft a resolution favoring the passage of the bill by Congress.

At the next meeting, Monday, Oct. 12, Mr. J. Guille of Portsmouth, Va., is expected to read a paper on Virginian grown bulbs and to exhibit specimens.

The meetings of this club are held on the 2nd and the 4th Mondays of the month at the hall of the Florists' Exchange, corner of St. Paul and Franklin streets, and any member of the craft happening to be in Baltimore on any meeting night who will kindly drop in may rest assured of a cordial greeting. F.

### CONNECTICUT HORTICULTURAL SOCIETY.

The annual Dahlia Show under the auspices of this society was held in Unity Hall, Hartford, Sept. 23, and was in every particular a conspicuous success. The entrance to the hall was decorated with conifers from the nurseries of W. W. Hunt & Co. and the Holcomb Street Nurseries. A fine group of palms from J. Coombs, the "leading florist," occupied the centre of the hall and the platform was effectively decorated with the rarer foliage and flowering plants under the direction of J. F. Huss, the veteran plantsman, who is also President of this Society. The general decorations were carried out most artistically by P. Zuger of the Department of Parks.

Public interest in the exhibition was amply demonstrated by the crowd which poured into the hall from 10 A. M. until 10 P. M., and altogether this will be remembered as the most successful exhibition ever held by the Society.

First prizes in the dahlia classes were won by Peter Zuger in four classes, J. F. Huss in six classes and W. W. Hunt & Co. in one class.

Diplomas to J. H. Slocombe for collection of dahlias and to J. F. Huss for collection of vegetables. Certificates of merit to J. H. Slocombe for seedling dahlias and vase of cosmos, to W. S. Mason for seedling dahlias, to A. J. Weeber for collection of grapes, to J. M. Adams for collection of annuals, to John Lewis Childs of New York for Gladiolus America, to J. F. Huss for collection of anemones, and to Peter Zuger for water lilies.

During the evening the charm of music was added to the floral beauty and an orchestra played from 8 to 10 o'clock.

### LENOX HORTICULTURAL SOCIETY.

The Lenox Horticultural Society meeting, held on Saturday, Sept. 19th, was largely attended. Laurence Cassell was elected a member. It was unanimously voted to affiliate with the Chrysanthemum Society of America and that the cup be competed for at the forthcoming exhibition. The various committees were appointed for the fall show. Ed. Jenkins gave a short talk on Mendelism or, as commonly known, Mendel's law, which was very interesting and instructive, but owing to the long business session was not widely discussed. Mr. Jenkins was accorded a hearty vote of thanks. G. INSTONE, Sec'y.

### COLUMBUS FLORISTS' CLUB.

The first meeting since the vacation during July and August of the Columbus Florists' Club was held Tuesday night, September 22. There was a good turnout. The meetings will be held as usual on the second and fourth Tuesdays of each month. A new committee on entertainment was appointed as follows: Jas. McKellar, chairman; I. D. Seibert, Wm. Metzmaier, J. Reichert, and Sherman Stephens. They are planning for a dance in the near future and also some interesting features for every meeting.

JAS. MCKELLAR, Sec.

### HUNTINGTON HORTICULTURAL AND AGRICULTURAL SOCIETY.

The sixth annual exhibition of the Huntington (N. Y.) Horticultural and Agricultural Society was held on Sept. 25th in the Opera House. The show was a financial success and well attended.

There was a scarcity of fruits, especially apples, but a good showing of vegetables and flowers. A special exhibit of flowers and vegetables by school children, grown by them from seeds furnished, attracted much attention. There were 166 entries in their classes. A display of wild flowers collected and pressed by children was also a feature.

John Lewis Childs showed Gladiolus America. Dahlias were very prominent among flower exhibits, and in these classes James Duthie, gardener for F. M. Townsend, Oyster Bay, carried off all the first honors with magnificent blooms and 150 varieties. He exhibited for E. A. Dreer six blooms of Dreer's White, a superb show variety of largest size.

Among winners of prizes were August Heckscher, gardener Adolph Alius, first for adiantum, palm, roses, (two classes), hand bouquet, collection vegetables (twelve varieties), nineteen first for vegetables and four for fruits. W. J. Matheson, gardener Jas. Kirby, first for collection of perennials, five firsts on vegetables and one on fruit. Walter Jennings, gardener Richard Cartwright, five firsts on vegetables and two on grapes. L. I. R. R. Experimental Station, first on collection vegetables (six varieties). Huntington Nursery Co., first for tuberous begonias, carnations, basket cut flowers and floral centerpiece. R. J. Kelly, two firsts for vegetables. H. T. & A. H. Funnell, first for Begonia Rex and for specimen nephrolepis.

The Mortimer L. Schiff prizes for collection of vegetables were won by August Heckscher for twelve varieties and the Long Island R. R. Experimental Station in class for six varieties. William Eccles, superintendent for Mr. Schiff, showed some splendid blooms of the new dahlia W. W. Rawson, a superb show dahlia, for which he received honorable mention.

A. H. FUNNELL, Sec'y.

### AMERICAN INSTITUTE DAHLIA SHOW.

This exhibition held last week at New York was one of the best ever presented by the American Institute, particularly in dahlias and vegetables. The dahlias were very numerous, the quality excellent and the proportion of new and choice varieties very large in all the classes. Among the dahlia exhibitors were such well-known Massachusetts growers as W. C. Lathrop, E. Bridgewater, W. D. Hathaway, and Mrs. H. A. Jahn, New Bedford; George Stillman, Westerly, R. I.; J. T. Lovett, Little Silver, N. J.; Mills & Co., Mamaroneck, N. Y., and H. A. Dreer, the latter showing Dreer's White, a variety that has been greatly admired wherever shown. A number of private gar-

deners also figured in the dahlia competitions, including Geo. Hale, Jas Dowlan, James Duthie and W. D. Robertson.

Fruit and vegetables were shown in fine form by a number of commercial and private growers. Inside fruit comprised melons and grapes from Howard Gould, gardener Harry Turner, and grapes from F. W. Hawes, gardener H. L. Hand.

Howard Gould was represented by a splendid group of flowering and foliage plants, an especially brilliant attraction being his remarkable set of specimens of the new *Celosia Pride of Castle Gould*, also *Oncidium varicosum* and *Cattleya labiata*.

An equally impressive and creditable display of foliage and flowering plants came from Julius Roehrs Company, Rutherford, N. J. Particularly good were their *Vanda Coerulea*, *cattleyas*, *laelias* and *odontoglossums*. Lager & Hurrell were also on hand with a fine collection of orchids. Among the promiscuous exhibits were hardy herbaceous flowers from Bobbink & Atkins and J. T. Lovett, roses and a centerpiece of dahlias from Mrs. J. B. Trevor, gardener Howard Nichols, and roses from L. A. Noe.

#### LONDON DAHLIA UNION.

The above society held a very interesting and attractive show in the Royal Botanic Gardens, Regent's Park, on the 10th and 11th of September last. Besides the ordinary society prizes of cash, there were medals awarded by the Royal Botanic Society for the best non-competitive exhibits. The most extensive display was unquestionably that set up by Hobbies Limited, a vast array of all types of the popular flower arranged on a table 55 feet long. Decorative, Peony and Cactus varieties were in the ascendant, and the method of staging in long stands at the back with shorter ones gradually down to the front, was artistic and effective. A large gold medal was awarded. Peony flowered and decoratives included Dr. Hogg, London, Peru, Thunderer, Jeanne Charmot, Paul Kruger, Princess Royal, Queen Wilhelmina, Souvenir de Gustave Douzon, Germania, Queen Emma, etc.; Cactus were Caradoc, Ajax, Imperial, Amo Perry, Vigil (1909), and scores of others equally meritorious.

J. T. West had a fine group beautifully staged, the total length of this group being about 36 feet. Exquisite little floral gems in the pompon section were staged in abundance—Daisy, Bacchus, Adelaide, Alice (1909), Midget, Nerissa, Girlie, Arthur West, Lassie, Annie Doncaster (1909), Jay, etc.; Cactus were Celia, Lustre, Gaselle, Nelson, Rosa Starr, Sunbeam (1909), Stormer (1909), Wm. Marshall, all prettily set up in vases; Peony and others were Rembrandt, Ruskin, Van Duct, Liberty, Rubens, Raphael, Burne Jones, La Calosse, Avalanche, etc.

A gold medal was also awarded to Dobbies & Co., who had a handsome display containing many of the varieties already mentioned in the preceding exhibits. Warnaar & Co. and G. Van Waveren and Kruijff of Sassenheim, Holland, exhibited two choice collections of Dutch peony flowered dahlias, for which they were awarded a silver gilt medal. J. Burrell and Co.

staged gladioli and roses in baskets. Show dahlias were very fine. S. Mortimer was first for 24 cut blooms. C. Turner, John Walker and Keynes, Williams & Co. followed in the order named. There were some tastefully arranged displays in the classes for vases and table decorations.

Pompons and singles also made a very effective display. The classes for Cactus contained many fine flowers, for which no space can be found at the present moment. In class 13, for six blooms of any show or fancy variety not yet in commerce, S. Mortimer was first, with Tom Jones, Keynes, Williams & Co., second, with Crusoe. The first named exhibitor also staged Tasmania, Jasper and Red Cap novelties.

A large display of fruit, principally apples, came from Spooner and Sons  
C. HARMAN PAYNE.

#### THE MINEOLA FAIR.

This is more of a country fair, with the cattle, poultry, farm machines, etc., than a horticultural exhibit. Located in what they call the garden section of Long Island, with the mansions, gardens and greenhouses of so many wealthy people close by, we had expected to see something better in the way of plants and flowers.

Dahlias were the feature of Floral Hall, James Duthrie, gardener to Mr. E. M. Townsend, Oyster Bay, taking first prize for best collection of 25 varieties, which were certainly remarkably fine. Second went to Geo. H. Henning, Freeport, who also had a fine exhibit. A special prize was awarded Oscar E. Addor, gardener to Mr. Harold Goodwin, Roslyn, for cactus dahlias, some extra fine varieties, several of which had never been exhibited in this country before. He also had a variegated seedling cactus, which promises well.

The one dahlia that attracted most attention was Dree's White, a fine large show, a magnificent flower, a vigorous grower and early and profuse bloomer, with long strong stems, exhibited by Henry A. Dreer, Philadelphia, Pa.

There were quite a display of annual flowers, some roses and carnations, largely in a badly-wilted condition on the fourth day, when our correspondent was there. John Lewis Childs had a bench of gladioli in fine assortment. A mound of palms, ferns, crotons and other plants in the centre of the hall, with a couple of benches of plants, were also from his place. Frank Weinberg, the cactus specialist, had a fine display of his pets, as well as a bench of other plants.

Out on the grounds, near the vegetable tent, we found Adolph Jaenicke, of Floral Park, with a fine exhibit of evergreens, etc., and a vase of *Gerbera Jamesoni* gigantea, which was attracting considerable attention. In the vegetable tent there was a fairly good display of vegetables that, considering the crude conditions, were well put up, though we noticed that size rather than quality generally had the awards. Stumpp & Walter, of New York, occupied the centre of the tent, with a nice display of their goods.

#### THE VINCENT FESTIVAL.

The flower show in connection with the annual Harvest Home Festival, to-

gether with the summer meeting of the Maryland Horticultural Society, made a very lively and highly enjoyable affair at the establishment of the R. Vincent, Jr., & Sons' Company at White Marsh, Md., last week. The celebration began on September 22 and the Gardeners' and Florists' Club of Baltimore City accompanied by a party of guests from the Florists' Club of Washington, graced the affair with their presence. The dahlia fields with their hundreds of thousands of plants of every conceivable variety were a prime attraction, and the geraniums, chrysanthemums and other specialties largely grown by this company were inspected with much interest.

At the meeting of the Maryland Horticultural Society an address of welcome was made by R. Vincent, Jr., to which an appreciative response was voiced by President C. L. Seybold. Peter Bisset, Prof. H. J. Patterson, C. Barker, W. I. Walker, J. S. Harris, Col. W. S. Powell and C. Stowell Smith all made addresses, the latter speaking on wood preservatives. Prizes for the exhibits were awarded by a committee consisting of Thos. B. Symons, Geo. Morrison and Geo. O. Brown. The display of vegetables and fruit was excellent.

#### INTERNATIONAL EXHIBITION OF THE EAST OF FRANCE.

We have just received particulars of the horticultural section of the above exhibition, which will be held in the park at Nancy in 1909. It will open in May and close in October and there will be a permanent horticultural display as well as several temporary ones.

In the permanent display there are 26 classes provided. A temporary display will be held on June 19 to 22 inclusive consisting of 90 classes for novelties, greenhouse plants, outdoor plants, floral art, fruit and fruit trees, market gardening.

On July 13 to 16 inclusive, another temporary show will be held, and 70 classes are provided for. A similar gathering is announced for August 21st to the 24th, and another September 25 to 28. The secretary is M. Gerveaux. C. HARMAN PAYNE, Sec.

#### CLUB AND SOCIETY NOTES.

Hon. G. B. Leighton has offered a silver cup valued at \$35 for the best general exhibit of vegetables at the coming meeting of the N. H. Horticultural Society at Milford, the cup to be won two years before becoming the property of the winner.

The 25th anniversary of the Blackstone Valley Agricultural Society held in Uxbridge, Mass., Sept. 22-23, was the most successful on record, financially and for attendance. Old Home Week was celebrated in connection with same. Decorations and parades compared very favorably with some of our good-sized cities. Mr. W. A. L. Bageley, the president, was more than pleased with the results and is already making plans for a still better fair next year. R. & J. Farquhar & Co., Boston, had a very beautiful and extensive display of dahlias, which was admired and considered the best display of its kind ever seen in these parts.



## COMING EVENTS.

Boston, Mass., Massachusetts Horticultural Society, exhibition of fruits and vegetables, Oct. 10, 11; Chrysanthemum show, Nov. 6, 7, 8, 9.

Menlo Park, Calif., Menlo Park Horticultural Society, exhibition, Oct. 15.

San Rafael, Calif.—Marin County Horticultural Society, flower show, Oct. 17.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November 3-6.

Hartford, Conn., Connecticut Horticultural Society, chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Shreveport, La., State Fair, November 3, 4, 5.

Worcester, Mass., Worcester County Horticultural Society, annual meeting, Nov. 4; chrysanthemum show, Nov. 12.

Red Bank, N. J., Monmouth County Horticultural Society, show, Nov. 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, Oct. 14, Dahlia show; show, Nov. 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

New York, N. Y., American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

## SCHOOL EXHIBITIONS.

Richmond, Ind., fifth annual show by school children; every school in the city was represented; cash prizes were given.

Ann Arbor, Mich., flowers grown by children were offered for sale after the prizes were awarded at the exhibition, Oct. 25.

## CYCAS CULTURE IN BERMUDA.



The above picture shows how *Cycas revoluta* is grown in Bermuda for the production of leaves for florists' use. They are grown in the shade of the juniper trees, and the fronds produced are said to be superior to any hot-house grown stock. The illustration shows one corner of a four-acre lot at Sunnylands. The leaves are furnished in all lengths from five inches up to fifty-four inches, and a few even longer. These fresh leaves are far su-

perior to the dried and painted stock commonly used and can be sold to customers who would refuse the latter under any circumstances. They can be in the hands of dealers in eastern U. S. cities in less than three days after cutting. Even quicker service from Bermuda is promised in the near future, when it is expected that the 700 miles of ocean between Bermuda and New York or Boston will be covered in about 36 hours.

LAWRENCE COTTER GETS A  
"SEND OFF."

One of the pleasantest little affairs in many years for the Boston fraternity was the reception and banquet tendered by a few friends to Lawrence Cotter on Saturday evening, September 26, at the Boston City Club. The fact that Mr. Cotter was to depart in a few days to take charge of the big establishment of the Lakeview Rose Gardens, Jamestown, N. Y., was the cause of it all, and if Mr. Cotter fills in the glowing future predicted for him by his friends on this occasion his name will surely be emblazoned on the tablets of fame in the horticultural annals of America. It was unmistakably the sentiment of the gentlemen gathered to do him honor and wish him success in his new responsibilities that the right place for the right man and the ever eloquent mottoed out to him should be a strong support in times of uncertainty and anxiety such as come to anyone in such a position as Mr. Cotter is to fill. The affair was beautifully decorated with roses and green, the centerpiece being a large vase of such specimens of the new rose White Killarney, contributed by Alex. Montgomery of the Waban Rose Conservatory, where this sterling rose originated. It was the consensus of opinion among the rose growers present that this is to be the most popular commercial white rose of the immediate future. This was, we believe, the first time it has been shown in quantity and the occasion was well worthy of the honor

## FIELD NOTES.

On a visit to the nurseries of R. & J. Farquhar & Co., at Sharon Heights and Roslindale, Mass., last week, we noticed that auratum lilies are already fully ripe and the bulbs in right condition to be dug and shipped. Here is a great advantage over the Japan importations which do not arrive before middle of November or first of December, when the ground is liable to be frozen hard.

The system of growing the young plants of the various retinosporas in alternate nursery rows with larger plants of the common arborvitae as followed by Messrs. Farquhar has considerable to commend it, as quite a substantial protection is afforded the less hardy kinds and the stock looks much more presentable in spring than when fully exposed to sun and extreme cold.

Here as elsewhere throughout this section, conifers of all kinds are loaded with seed as never before. The arborvitae are fairly brown with masses of tiny cones and even young spruces and firs not over two feet in height are occasionally seen carrying a big cone at the apex.

The dahlia fields, many acres in extent, are all aglow with bloom and present a gorgeous sight. Here are seen old and new varieties by the hundred, but none make a more effective impression on the visitor than the glorious yellow, Charles Lanier.

# 1683 WELCOME 1908

## H. BAYERSDORFER & COMPANY

Request the Pleasure of Your Company

at 1129 Arch Street, Celebrating Philadelphia's 225 Anniversary during Founders' Week

**OCT. 5th to 10th INCLUSIVE**

Have your letters and telegrams addressed here. Meet your friends here and depend on us for every courtesy that it is in our power to offer. Easy access from our place to the lines of parade and all depots.

**H. BAYERSDORFER & CO., THE FLORIST SUPPLY HOUSE OF AMERICA**

### OBITUARY.

James W. Paul, Jr.

James W. Paul, Jr., one of the most prominent citizens of Philadelphia, head of the great banking house of Drexel & Co., Philadelphia, Paris, London and New York; and president of the Pennsylvania Horticultural society, died suddenly at Hot Springs, Virginia, September 24th. The funeral took place from his country home, Radnor, Pa., September 28th. A special meeting of the Pennsylvania Horticultural Society was held at Horticultural Hall, September 28th, at which the following resolutions were adopted:

Whereas, It has seemed good to the Almighty Ruler of Events to remove from our midst our honored and beloved President; It is

Resolved, That in submitting to this decree we can but deplore our loss; and that we earnestly desire thus to place on record our sense of the important services he has unfailingly rendered to the cause of Horticulture and the beautifying of our homes.

Resolved, That we tender to his family and friends this tribute to his memory. In all his dealings with the Society there was evidenced the considerate spirit of the Christian gentleman whose urbanity led him to consider the feelings of others, while he was always in the forefront of every movement of true progress, and ready to help with mind and purse to advance of every betterment that was proposed. We shall miss his clearness of view and modest firmness in pursuit of every advance proposed in our efforts to bring the culture of flowers, fruits and vegetables to the perfection we all desire.

Resolved, That the above be sent to his family and the newspapers of the city and that the Council attend the funeral.

(Signed) J. Cheston Morris, Edwin Crossdale, David Rust, Committee.

Mr. Paul was a son-in-law of the late Anthony J. Drexel and was one of the leaders in high taste in gardening matters. His palatial home at Radnor, Pa., (presided over by Joseph Hurley) was the Mecca for countless visitors looking for high achievements in horticulture. His good deeds will live long after him.

Mrs. Cochran.

Eleanor R. Cochran, wife of John T. Cochran, gardener for J. E. B. and

Addicks, Claymont, Del., died on the 28th inst., aged 50, and was buried Oct. 2nd, at Palmyra, N. J.

### SWEET PEA CLASSIFICATION.

The Floral Committee of the National Sweet Pea Society of England recommends the following varieties as the best in their colors:—White: Dorothy Eckford, Etta Dyke, and Nora Unwin. Crimson and Scarlet: King Edward and Queen Alexandra. Rose and Carmine: John Ingman. Yellow and Buff: James Grieve and Paradise Ivory. Blue: Lord Nelson and A. J. Cook. Blush: Mrs. Hardcastle Sykes. Cerise: Chrissie Unwin. Pink: Countess Spencer and Constance Oliver. Orange shades: Helen Lewis and St. George. Lavender: Lady Grizel Hamilton and Frank Dolby. Violet and Purple: Rosie Adams. Magenta: Menie Christie. Picotee-edged: Evelyn Hemus. Fancy: Sybil Eckford. Mauve: Mrs. Walter Wright and The Marquis. Maroon and Bronze: Black Knight and Hannah Dale. Striped and Flaked (red and rose): Jessie Cuthbertson and Paradise Red Flake. Striped and Flaked (purple and blue): Prince Olaf. Bicolor: Jennie Gordon. Marbled: Helen Pierce.

### SILENE LACINIATA.

This perennial is one of the nicest of all known Silenes. It is at home among rocks, or in rocky, sunny soils. It grows from about six to eight inches high, and blooms during the whole season with brilliant red flowers. The roots are quite thick, and penetrate very deep into the soil. We find it requires a sunny, dry location, and in winter a protection of pine needles or the like.—From Moller's D. Gt. Ztg.

### NURSERY STOCK

Norway and Sugar Maples, 2 to 12 in. high, Beeches in variety, 6 to 16 feet. Viburnum mentosum and plicatum, Forsythias, Deutzias, Altheas and other shrubs 4 to 12 feet. Ask for complete list of ornamental nursery stock in large assortment.

**SAMUEL C. MOON**

Morrisville Nursery.

MORRISVILLE, PA.

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.  
White Spruce, 3-4, 4-5, and 5-6 ft.  
Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.  
Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.  
White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

**The New England Nurseries, Inc.**  
BEDFORD, MASS.

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plan's for Lawns, Parks or Cemeteries.

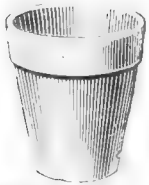
## ELMS, SUGAR and NORWAY MAPLES

Shrubby in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price

## BARGAINS in TREES and PLANTS

Small Grapes, \$2.00. Peach, \$3.00 per 100. List sent. D. L. TWOMEY, Dept. H, Geneva, N. Y.



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### STANDARD POTS IN RELATION TO CHEMICAL FERTILIZERS.

The late editorial in HORTICULTURE entitled "Standard" flower pots touched our chemical nervous system and we are obliged to respond to the stimulus. While it may seem a far cry from flower pot to chemical fertilizers (and other things) this is more apparent than real, and the farness is close to being nearness.

We presume the great intrinsic value of "Standard" whether applied to iron piping, diameter and threading of same, to threads on bolts, or what not, is generally admitted without cavil—it is a self-evident proposition. Are there or are there not as many advantages and of a similar nature, in the case of flower pots? If so there remains but the stumbling block of what or whose standard, to our minds an inferior desideratum in comparison with the advantages to be derived from any fairly universal standard. As far as that goes if one had even two we would be better off than with no one knowing just what his flower pot did represent.

The great advantage of a standard is in knowing what to expect, whether this be a question of size, capacity of pipe with the attendant known areas and delivery, whether price, or ability to replace similar parts at once from convenient commercial stocks ready to ship. All this is common information: nothing new or startling and doubtless realized by the trade.

There can be nothing new in the use of flower pots as standards of dry (or wet) measure and therefore to this extent standards of weights. Often we note a direction of some kind given in terms of a "two inch pot," "level full" and so on. As the relation between dry measure and weight is easily found out and fairly constant we have here a substitute for weighing by scale. Although the time is at hand when every greenhouse establishment must have one of these useful machines at hand to use for a variety of purposes they are not carried about very easily and often pot measure is just the thing.

We plead ignorance of what may have been done in the past to choose standard sizes, and it may be that attempts have been made to have pots hold so much water which is a universal standard for weight and this procedure would appeal at once to the person who might have to figure this thing out, as that would save time. But this is trivial in comparison to the saving if we could have some standard, however arbitrarily chosen.

If we try to avail ourselves of flower pots as a measure for fertilizers it is most pertinent to inquire the accuracy of such a method.

With any material, using any kind of measure, and flower pots are no ex-

ception, we must take cognizance of these factors:

(1) Futility of material; (2) Mechanical fineness; and (3) Amount of packing (tapping or shaking the pot) compression.

We will not talk about purity of substances, but will mention fineness of grain and packing. There is not so much difference as might be imagined between the weights of a fine ground and coarse ground (or unground) common salt except that the levelling can not be very good when large coarse particles are on top.

We found it possible to make a considerable difference in the content of the pot by continual shaking or tapping with successive partial fillings but we believe that with one filling, then a tap or two, then leveling off with no pressing of the straight edge that rapid and satisfactory measuring may be done in this way and no doubt is being done every day. Such work should come well inside the limit of error of 10 per cent which with our present knowledge is sufficiently accurate for many operations. With a few trials we believe that it would be possible to halve this error.

The idea was to see if ordinary help could do this sort of weighing out with any degree of hopefulness and if it would be possible to construct a table showing all such weights of various-sized pots. To start at the beginning of the pot we made bold to ask manufacturers if they cared to give any information about sizes of pots when made and so on, and to our surprise while several answered us courteously, giving us some information about the "Standard" pot they had nothing to say about standards in general nor much about the figures concerned in their own pots.

We should like to ask them if there is not some value in pots as a measure and could not the hole be omitted without much expense and a few be stamped with the average weight of the pot and its cubic contents to save calculation?

DUDLEY M. PRAY.

### TELEKIA CORDIFOLIA.

This perennial grows to a height of four to six feet, and flowers from June until October. The branches are stout, the leaves heart-shaped and double serrate, and the flowers are about three inches in diameter, of a reddish yellow and purple color, and quite numerous. Either as specimen plants, or in front of tree plantations, Telekia cordifolia makes a good effect.

A plant closely related to this is the variety speciosa, which is an Alpine plant.—From Moller's D. Gt. Ztg.

F. W. Fletcher & Co. have leased for five years the Seaverns Lane Greenhouses at Weston, Mass., and will devote them exclusively to Marguerite growing. There are four houses in the range

### "WIRELESS" FROM WESTERLY, R. I.

S. J. Reuter & Son have demolished seventeen houses in their big range at Westerly, R. I., this season and built in their place three modern iron-frame and concrete-foundation houses each 35x185. During the coming season ten more of the old range are to come down, to be replaced by two of the new type. This is only a part of the improvements contemplated in the near future.

In the carnation houses the variety Splendor holds a position of high esteem with Mr. Reuter. It seems to be a particularly good variety for early blooming, the color similar to that of Afterglow. As an early and all around useful white, White Perfection has no rival here. It leads them all.

Chrysanthemums look very promising except only the variety Golden Glow, which for some reason came with the foliage badly yellowed, and Mr. Reuter is interested to learn whether any other growers have had a similar experience with this variety. In the rose houses Rhea Reid is having a trial along with most of the other recently introduced candidates for popular favor. Its status has not yet been decided. One thing Mr. Reuter is willing to say about it is, "that it requires oceans of water."



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
4500 2 1/2 in. pots in crate	\$4.88	120 7 1/2 in. pots in crate	\$4.20
1500 3 1/4 " " "	5.25	60 8 " " "	3.00
1500 3 1/2 " " "	6.00	HAND MADE	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
144 6 " " "	3.16	12 14 " " "	4.80

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Holker & Sons, Agts., 81 Barclay St., N. Y. City.

### Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

DECISIONS OF THE BOARD OF  
GENERAL APPRAISERS.

No. 19667.—Evergreen Seedlings—Transplanted Holly Plants.—Protest 295035 of Jackson & Perkins Company.

Holly plants, classified as evergreen seedlings under paragraph 252, tariff act of 1897, were claimed to be dutiable under the provision of the same paragraph for nursery or greenhouse stock. Protest overruled.

Waite, General Appraiser: \* \* \* The question involved in this case was discussed by the Board in G. A. 6169 (T. D. 26772), wherein the conclusion was reached that the provision for evergreen seedlings in paragraph 252 is not restricted to plants of a coniferous nature, but applies to seedlings of all plants that are "evergreen"—that is, which retain their greenness or verdure throughout the year, as distinguished from those which are deciduous, or which lose their foliage every year. The above decision has been affirmed by the circuit court (153 Fed. Rep., 916; T. D. 28183) and by the circuit court of appeals (T. D. 28953). The holly, according to this distinction, belongs to the class of evergreen plants, and it is so characterized by the Standard and Century dictionaries.

The importers also contend that the word "seedlings" applies only to plants "in the seed bed, which have not been transplanted," and that the holly plants in question are not properly classifiable as seedlings, inasmuch as they have been "transplanted from the seed bed and grown on for two seasons." It was held by the Board in G. A. 5305 (T. D. 24305) that the word "seedlings" applies to plants grown from the seed, as distinguished from those propagated by cuttings, budding, or grafting, irrespective of whether or not they had been transplanted. No appeal having ever been taken from this ruling, it will govern in this case.

No. 19651.—Rhododendrons. — Protests 302447, etc., of R. F. Downing & Co. (Boston).

Rhododendrons, classified as nursery or greenhouse stock under paragraph 252, tariff of 1897, were claimed to be dutiable as evergreen seedlings under the same paragraph on the authority of United States vs. Ouwkerk (T. D. 28953), in which it was held that seedlings of certain species of laurel and rhododendrons which retain their verdure throughout the year were so dutiable. Protest overruled.

Waite, General Appraiser: \* \* \* The merchandise before us here is certain-named varieties of rhododendrons, and it appears from the appraiser's report and other evidence to which the Board has access that plants such as these are never grown from the seed, but are always "grafted or layered plants," there being only three species of the rhododendron grown from the seed, none of which appears on the invoices under consideration. The plants in these importations not being seedlings,

the decision above cited is not applicable thereto, and we therefore hold the goods have been properly assessed as nursery stock.

No. 19652.—Evergreen Seedlings.—Protest 182088 of F. H. Shallus (Baltimore). Opinion by Waite, G. A.

On the authority of G. A. 6169 (T. D. 26772) certain rhododendrons, evergreen seedlings, hollies, etc., were held dutiable as evergreen seedlings under paragraph 252, tariff act of 1897, as claimed by the importers. An item of azaleas was held to have been properly classified as such under paragraph 251.

## GENTIANA ACAULIS.

This plant is a native of the Alps. Its deep blue flowers are liked by everybody. In Switzerland it is frequently used. Its preference is a sandy clay. It can be propagated by division or by seed. If by the latter, in the fall the seed is sown in a cold frame in a mixture of leaf-mold, loam and sand; from the seed bed the plants are once transplanted in another cold frame and then set out in their permanent places about ten inches apart. The blooming time is from the middle of May to the end of July.—From Moller's D. Gt. Ztg.

## SEEDING BEGONIA GLOIRE DE LORRAINE.

Growers of Begonia Gloire de Lorraine who have failed to get seed will be interested in the following note clipped from The Gardeners' Chronicle for Sept. 12, 1908.

"On practically every raceme of Gloire de Lorraine bloom the last flower produced is a female one. By the time this flower makes its appearance, however, the plant has lost most of its beauty, and the inflorescence is removed before the female flowers open. It follows, therefore, that to produce seeds of this plant, the inflorescences should not be picked off until every flower has opened.—C. H. Middleton.

BEAUTIFUL FLOWERS AND HOW  
TO GROW THEM.

An edition de luxe at a popular price is announced by Messrs. Jack of London and Edinburgh, bearing the above title. The book will be issued in 17 parts at 1s. each net. There will be 100 plates in full colors, besides numerous cuts in the text. Messrs. Horace J. and W. P. Wright are the joint editors. C. H. P.

**"LORRAINE BEGONIAS."****SPECIAL LOT****All Strong Healthy Plants, Full of Shoots.**

4 inch Stock, \$25.00 per 100 | 3 inch Stock, \$20.00 per 100  
2½ inch Stock, Leaf and Top Cuttings, mixed, \$8.00 per 100

**This is an excellent chance to secure A-1 Plants for Xmas.****"Money Refunded if Not Satisfactory."****E. A. BUTLER & SON, Niagara Falls, N. Y.****WANTED  
LOMBARDY POPLARS,**

3 to 4 inch caliper, 25 feet high,  
clean and in good condition.  
Please give price per hundred  
and say how many you can  
supply, to

**J. H. TROY,**  
24 East 34 th St., NEW YORK CITY

**Gloire de Lorraine Begonia**

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

**FLORISTS' PLANTS**

Foliage and Flowering. Complete  
Stock in all sizes at all times. Send  
for Special Wholesale Price Sheet.

**A. SCHULTHEIS**  
COLLEGE POINT, NEW YORK

**ZIRNGIEBEL'S FINE STRAIN****PANSY PLANTS**

NOW READY. Known for a quarter of a  
century. \$4.00 per 1000, 50 cents per 100.

**AUGUSTUS ZIRNGIEBEL,**  
Cash with the order. **NEEDHAM, Mass.**

**DAHLIAS.** Now is the time to  
place your order for  
bulbs which will insure  
you getting named va-  
rieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
**ATCO, N. J.**

**JAPANESE**  
THE YOKOHAMA NURSERY CO. NEW YORK.  
31 BARCLAY STR.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

## CONSERVATORY AT GARFIELD PARK, CHICAGO.



The new conservatory at Garfield Park is the latest acquisition in the Chicago park system. It was erected at a cost of nearly a million dollars, and is now practically completed. It covers 75,000 sq. ft., its length 302 ft., width 250 ft., and height 64 ft. Its central area 112 x 150 ft. is used as an aquatic house. The Foley Mfg. Co. supplied all the wood used in its construction.

## AGRICULTURAL EDUCATION.

(A Paper Read Before the Suffolk County Agricultural Society, by Walter L. Jagger.)

The education of the present day appears to be away from the farm, for the major part of the young men who graduate from college appear to think that the farm is only a place of last resort, where they may regain the health—and sometimes the wealth—which they oftentimes sacrificed in the professions or the mercantile pursuits in the cities; failing to realize that, if the same amount of learning and energy was given to agricultural pursuits they might be most successful, whereas they are at present only making a bare subsistence, and sometimes losing their health. Fifty years ago it was thought that the boy who was not qualified for professional or mercantile pursuits might be a farmer. We are ready to admit that there are many very successful farmers who have not a college education; but this does not prove that they might not have been a great deal more successful if they had had a higher education.

## The Best Disseminators of Education.

The daily press and the agricultural journals of the present day are highly educational, and no man can read a good daily or good agricultural paper without gaining useful knowledge. There is also a school of experience which is no mean factor in gaining an agricultural education. By observation and experiment we may often gain useful knowledge. Farmers' Institutes and Horticultural Societies are great disseminators of agricultural wisdom.

The paramount need of a farmer is a good education in its broadest sense. He needs to know the relation of farming to other things. True, education will teach him to respect his calling. Farming is an honorable and respectable calling; and yet how often do we hear it belittled by such expressions as "only a farmer," "a hayseed," "a clod-hopper," etc. Did you ever stop to think that the farmer is the only real producer of wealth in this world? Where does the Wall street banker get his money? Does he make it? No! He shears the lambs from off the farm. And who feeds our Uncle Samuel's

large family of 83 millions of children? The farmer, assuredly.

## Something More than Arithmetic.

The idea, once prevalent, that arithmetic was the most important study for a boy is now out of date. As much as any one does the farmer's boy need to know grammar and the use of language. He must know how to read, how to think, and how to express himself. The farmer needs a thorough education that he may be thorough in all things, his business included.

Much of a farmer's education can be obtained at home. The farmer who conscientiously and thoroughly follows the news of the week in a good daily paper will soon become well posted upon the affairs of the world. After the news of the week let him study the markets, and then the various lines of agricultural work as found in good books and papers, and it will not be long before he will feel stronger and more capable. His neighbor will notice the difference and will respect him accordingly, and his farm will become more productive and more valuable. Education, then, must be thorough; and it must be broad enough, that its possessor may profit by comparison, as judgment based upon one line alone is apt to be erroneous.

## "Book Farming" No Longer a Reproach.

There are occasionally to be found instances where farmers who seek to improve and enlarge their knowledge of agricultural science are accused of "book farming" by their neighbors, but so many instances of increased profits from a better knowledge of farming, as a business, are coming to the front in nearly every neighborhood that this ridiculous sort of sentiment is fast dying out. A farmer cannot afford to ignore all these sources of gaining a knowledge of his business, and the best ways of growing and disposing of farm products to the best and most profitable advantage, any more than a professional or business man of the city can afford not to keep posted and abreast of the times.

Life is too short for any one of us to learn all there is to be known of our profession or business by our own experience and work, especially when it

is possible to get all the experience and knowledge of our best farmers and writers at so small a cost as the price of a few good farm papers and text books. Farmers have about as much to learn in their profession as any other class, and we have always thought it time well spent to read or listen to the plans and methods followed by those who have had a more successful experience than our own. It is cheaper than to do the experimenting ourselves. It doesn't follow that we should do no experimenting ourselves. Times, conditions and crops, as well as market demands, are constantly changing and our knowledge in general can be greatly increased by some judicious research and an exchange of ideas or results. Not all that we read or hear is at all applicable to every man's needs or the special kind of farming he may be engaged in, but he must be able to pick out the points that are applicable to his own particular conditions.

## Winter Opportunities.

During the summer the tiller of the soil has little spare time for reading, but that is the time to apply new ideas gained by the previous winter's reading. Winter nights are long and with plenty of books and papers, bulletins, farmers' institutes, horticultural societies, etc., within reach of most of us, it certainly looks as if we ought to gain some knowledge which may be of great use to us, while we rest up and do some planning for the busy season; and go into our work with a better knowledge of what we are going to do, and how we are going to do it, than ever before. We certainly believe that in farm reading and study, the adage that "in the multitude of counsel there is wisdom" is altogether true. During winter plan your work, and during spring and summer work your plans.

The successful farmer is the one who attends strictly to business. Never put off 'til afternoon what you can just as well do in the morning. Day-after-tomorrow is a very uncertain time for doing business.

"Everything comes to those who wait,  
And the lazy man waits to greet it;  
But success comes on with a rapid gait  
To the fellow who goes to meet it."





## Seed Trade

The long disastrous drought has at last been effectively broken, and a prayer of thankfulness is raised throughout this broad land. While not the worst in the history of the country, it takes rank among the worst droughts of recent years. Millions of dollars' worth of timber has been destroyed, both in this country and Canada, at least as an indirect result of the drought, villages and towns have been laid in ashes, and many lives have been lost. In addition, the loss to farmers has been immense; in damage to crops, and in the loss of pasturage alone, millions can be charged against the drought. For several weeks farmers have been compelled to feed hay and grain to their stock because there was no grass, and at least two months' pasturage has been lost. There has been a great shrinkage in the volume of farm products such as milk, eggs, butter, etc., and prices are soaring near to the figures of mid-winter. Let us hope that the outpouring from Jupiter Pluvius will at once arrest this unwelcome advance, and by increasing production restore prices to normal figures again.

It is not too late for pasturage to improve sufficiently to furnish feed for some weeks yet, but it is of course too late to benefit any but fall-sown crops. It will enable farmers to resume work which has for some time been suspended as a result of the drought. The ground had become so hard as to render it practically impossible to plow, with the result that the sowing of winter grain will be late. Many farmers will not sow at all, the consequences being more or less of a reduction in acreage.

A few preliminary estimates of deliveries of peas of the 1908 crop have sifted through, and they are calculated to cause sinking spells among canners and seedmen, particularly the former. The estimates range from 25 to 40 per cent., and on such varieties of canners' peas as Admirals, Horsfords, Advancers and Surprise, figures have been as low as 20 per cent. But this is not the worst of it—the shortages cannot be made up. It will be impossible to buy them, as they do not exist, and what the canners are going to do for seed is a yet unsolved problem. The writer, with a pretty fair knowledge of conditions, expresses it as his deliberate opinion that in the matter of seed peas, the seedsmen and canners are confronted with the worst situation they have ever been called upon to face, and the latter in particular.

The canners sell most of their output in advance, and sell the product of certain varieties of seed, and while the fact is not generally appreciated by the seedsmen, most varieties have a distinct appearance in the can, and the trained eye of the experienced canner or canned goods buyer can detect this at once, therefore the canner cannot

substitute one variety for another without the consent of the buyer.

Most of the "Sweet" peas are packed from the four varieties named above, excepting the Telephone brand. These are a large ungraded pea, but few if any canners use Telephone seed. This variety has proved too shy a yielder to be profitable either for the canner or farmer, and as a consequence other varieties such as Prince of Wales, Queen, Yorkshire Hero or Shropshire are used.

For their first early pea, practically all canners prefer the Alaska, while for their main pack of sweet wrinkled sorts, they are compelled to use one or more of Admiral, Advancer, Horsford or Surprise. But a limited quantity of the large or Telephone brand is used, and the only varieties that can be used to produce the type of canned peas and the sizes wanted by buyers, are these four and considering the short deliveries, and the practical impossibility of buying them anywhere in quantities, the predicament of the canners can be appreciated. Gems and Nott's Excelsior might in a great emergency be used, but the vines are too short, and they are too shy croppers to be popular with either canner or farmer.

Frosts more or less severe have speedily followed the rain, and any corn, vine seeds, tomatoes or other seed crops not fully matured are done for, but the long dry warm spell has left comparatively little for the frost, and it is fortunate, as the shortage is heavy enough as it is.

Connecticut field pumpkins are said to be abundant; conditions which have been bad for most other crops seem to have been just right for this one. The denizens of the "pie belt" will be doubly grateful when Thanksgiving arrives, and incidentally those outside of this happy zone will try to be for the same reason, but the article they have is a base imitation, and few can ever know what a real pumpkin pie is until they have sampled the real New England article.

C. W. Moore has purchased the interest of his partner, and the firm of Moore & Simon, of Philadelphia, will hereafter be known as the Moore Seed Co.

The Henry Field Seed Co., Shenandoah, Ia., re-elected all officers and declared a dividend of eight per cent. at the recent annual meeting.

The establishment of Oscar H. Hill & Co., Bismarck, N. D., has undergone extensive improvements and additions during the summer.

### CATALOGUES RECEIVED.

Otto Katzenstein & Co., Atlanta, Ga.—Trade Price List, 1908-1909; a good commercial list of seeds of American conifers, trees, shrubs and herbs; also to hand catalogue in Spanish by same firm.

Goos & Koenemann, Nieder-Walluf, Germany.—Illustrated Catalogue and Price List for 1908-1909. This splendid catalogue is arranged in two parts, the first for hardy herbaceous plants and the other for fruit and ornamental trees and shrubs. Many promising novelties are listed.

# Mignonette

**FARQUHAR'S  
GIANT**

**Oz., 75c; 1-4 oz., 25c**

**R. & J. Farquhar & Co.**

**6 & 7 South Market Street  
BOSTON, MASS.**

### PUBLICATIONS RECEIVED.

Annual Report of the Park Board of the City of Portland, Oregon, for the year 1907.—A concise and interesting report embellished with several striking half-tone views.

The Nineteenth Annual Report of the Commissioners of Public Parks of the City of New Haven, Conn., has been received. The half-tones with which it is lavishly embellished give a better idea of the picturesque reservations of which New Haven is justly proud than any verbal description. The area under charge of Superintendent G. X. Amrhy is about 1000 acres, and the total cost to date is over \$700,000. A list of 185 species of wild birds found in the parks is included in the report.

The San Jose Scale and Methods of Treatment, by A. E. Stene, is a joint bulletin of the State Board of Agriculture and Extension Department of the R. I. College of Agriculture and Mechanic Arts. It is a valuable addition to the literature concerning this pest and the best methods of fighting it, being very complete and copiously covering every point on which information of a reliable character is needed. It is embellished with thirty cuts illustrative of the text and nineteen plates.

**IN ORDERING GOODS PLEASE  
MENTION HORTICULTURE.**

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
**WHITE MARSH, MD.**

## PLANT IMPORTS.

Entered at New York Sept. 22 to 29.

From Holland: C. C. Able & Co., 88 cs. bulbs; H. F. Darrow, 14 cs. do.; A. W. Fenton, Jr., 27 cs. do.; Wm. Elliott & Sons, 8 cs. do., 1 cs. plants; P. Henderson & Co., 200 bags garden seed; McHutchison & Co., 1 cs. plants; Maltus & Ware, 298 cs. bulbs, 37 cs. plants; P. Ouwerkerk, 28 cs. trees; F. R. Pierson Co., 10 cs. do.; Sundry Forwarders, 10 cs. bulbs, 8 cs. plants.

Via Antwerp: H. F. Darrow, 14 cs. plants, 10 tubs laurel trees; Wm. Elliott & Sons, 2 cs. plants; Fruit Auction Co., 5 cs. do.; J. W. Hampton, Jr., & Co., 21 cs. do.; O. G. Hempstead & Son, 271 cs. do., 40 tubs laurel trees; Wm. Hagemann & Co., 83 cs. plants, 1 pkg. plants; McHutchison & Co., 62 cs. plants; Maltus & Ware, 470 cs. do.; Chas. F. Meyer, 128 cs. do.; J. Roehrs & Co., 52 cs. do.; August Rolker & Sons, 72 cs. do.; J. Ter Kuile, 49 cs. do.; Ralph M. Ward & Co., 60 cs. do.; Sundry Forwarders, 117 cs. do.

Via Bremen: L. F. Domerich & Co., 2 baskets live plants; R. F. Lang, 6 tubs live trees.

## INCORPORATED.

Wheeling Floral Co., Wheeling, W. Va., John Dreckmann, L. Dreckmann, A. Langshans, A. B. Langshans, Ralph Taylor; capital, \$5,000.

Wilson Plant Oil & Fertilizer Co., Chatham, N. J.; florist supplies, seeds, plants, flowers and fertilizers; W. G. Badgley, Andrew Wilson, S. M. Cady; capital, \$10,000.

## CYCLAMEN SEED

NEW CROP

## CRAIG'S SPECIAL GIANT

WHITE RED PINK

WHITE with Red Eye

MIXED, all Colors

Per 100 seeds, \$1.00;

\$9.00 per 1000 seeds.

MICHELL 1018 MARKET ST. PHILA. PA.

## SKIDELSKY &amp; IRWIN CO.

PLANTS, BULBS, SEEDS

144 No. 7th St. Philadelphia, Pa.

## GUARANTEED MUSHROOM SPAWN

7 lbs. for \$1.00

W. ELLIOTT &amp; SONS

42 Vesey St., New York

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE

ARTHUR T. BODDINGTON

342 West 14th St., New York.

## C.C. MORSE &amp; CO. 48-56 JACKSON ST., San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

Thorburn's Bulbs

Roman Hyacinths,  
Bermuda Easter LiliesNarcissus Paper White Grandiflorus  
Freesias, etc.

Seeds of our Magnificent Strain

Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

J. M. THORBURN &amp; CO.

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

## BULBS FOR FORGING

Roman Hyacinths, Lilium Harrisii, Freesias,  
Tulips and Dutch Hyacinths.  
PERENNIAL FLOWER SEEDS.New crop for present sowing.  
Special prices on application.  
Sure Crop Mushroom Spawn \$8.00 per 100 lbs.  
Seed Merchants & Growers  
Weeber & Don, 114 Chambers St., New York

## A. MITTING

Galla Lily Bulb Co.

Santa Cruz, Calif., U.S.A.

HYACINTHS, TULIPS, NARCISSI

AND OTHER BULBS

ROMAN HYACINTHS and the true  
PAPER WHITE GRANDIFLORA

Ask for our Wholesale Trade List at Hillegom

K. VELTHUYS, Hillegom, Holland  
Rep. by FELIX BOSCH, 260 Clarendon St., Boston.READY For Prompt  
Shipment...

FRENCH and DUTCH BULBS

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

JUST ARRIVED

HIGH GRADE

DUTCH BULBS

We also carry a full line of Florists' Supplies

THOMAS J. GREY CO.

32 &amp; 33 So. Market St., BOSTON, MASS.

SOW NOW MY STRAIN OF  
Hardy Garden Carnations

	as;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,	\$2.50		.30
Dwarf Scarlet Grenadin .....	2.00		.30
Early Dwarf Vienna, finest mixed.....	1.00		.20
New Early White Vienna, fine for cut.	1.50		.20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed.....	4.00		.50

O. V. ZANGEN, Seedsman  
HOBOKEN, N. J.

## CYCLAMEN

SUPERB ENGLISH STRAIN

Extra large flowering. Fresh seed just arrived in the following colors: Deep Crimson, White, Claret Base, Pure White, Mauve, Cream White, Bright Xmas Red, Delicate Pink, Salmon Pink. Per 100 seeds, \$1.00; per 1000 seeds, \$9.00.

H. E. FISKE SEED CO., 13 Fanewill Hall Sq., BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

SAN JOSE, - - CALIFORNIA

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit.

Winter-flowering

## SWEET PEA SEED

All Colors Ask for List

A. C. ZVOLANEK

ORIGINATOR.

BOUND BROOK, N. J.

CAULIFLOWERS  
CABBAGE

HJALMAR HARTMANN &amp; CO.

12 Stormgade,

COPENHAGEN, DENMARK.

In ordering goods please add  
"I saw it in HORTICULTURE."

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto. Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### BUSINESS CHANGES.

D. D. L. Farson succeeds E. Wana-  
macher, retail florist, at N. 63d St.,  
Overbrook, Pa.

Charles Eisner has purchased the  
business of O. P. Beeb, 6105 Penn Ave.,  
Pittsburg, Pa.

G. W. Beears of Reading, Pa., has  
closed his greenhouses and opened a  
salesroom at 235 N. Ninth St.

A change was made in the florist  
firm of Field & Sinclair, Oct. 1, Mr.  
Field taking the Northampton, Mass.,  
store and greenhouses, and Mr. Sin-  
clair taking the Holyoke business.

The Angeles Florist, a retail estab-  
lishment at 204 W. Fourth St., Los An-

### STEAMER DEPARTURES

#### Allan.

Victorian, Montreal-Liverp'l...Oct. 8  
Corsican, Montreal-Liverp'l...Oct. 16

#### American.

New York, N. Y.-S'hampton...Oct. 10  
St. Louis, N. Y.-S'hampton...Oct. 17

#### Atlantic Transport.

Mesaba, N. Y.-London...Oct. 10  
Minnehaha, N. Y.-London...Oct. 17

#### Cunard.

Ivernia, Boston-Liverpool...Oct. 6  
Lucania, N. Y.-London...Oct. 7  
Umbria, N. Y.-London...Oct. 10  
Saxonia, Boston-London...Oct. 20

#### French Line.

La Lorraine, N. Y.-Havre...Oct. 8  
La Touraine, N. Y.-Havre...Oct. 15

#### Hamburg-American.

Bluecher, N. Y.-Hamburg...Oct. 8  
Kaiserin, N. Y.-Hamburg...Oct. 15

#### Leyland.

Winifredian, Boston-Liverp'l...Oct. 7  
Devonian, Boston-Liverpool...Oct. 14

#### North German Lloyd.

Kr'p'z Wilhelm, N. Y.-Br'm'n...Oct. 6  
Kaiser Wm. II, N. Y.-Bremen...Oct. 13

#### White Star.

Adriatic, N. Y.-S'hampton...Oct. 7  
Cedric, N. Y.-Liverpool...Oct. 8  
Cymric, Boston-Liverpool...Oct. 10  
Arabic, N. Y.-Liverpool...Oct. 15

geles, Calif., has passed into the hands  
of Mr. Walters, one of the old firm.

The 22 greenhouses at Brookside,  
Reading, Pa., which have been aban-  
doned for the past three years, have  
been bought by I. H. Anderson for  
\$3600. He will repair and stock them  
as rapidly as possible.

Arthur H. Newman has disposed of  
his interest in the J. Newman & Sons'  
Corp., of Boston and on October 10  
will open a new store at 202 Fifth Ave.,  
New York, corner of Madison Square,  
under the name of The Newman  
Florist Co., Inc.

The Schiller Floral Co. expect to  
be in their new store and conserva-  
tories at 904-906 W. Madison street,  
Chicago, before Oct. 10. This firm and  
its genial manager, Geo. Asmus, so  
well known to the trade and Chicago's  
flower show exhibitors and patrons,  
are to be congratulated on this new  
and up-to-date establishment, which  
contains 5000 sq. ft. of glass.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

## THOS. F. CALVIN

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

## JULIUS A. ZINN,

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

## PERSONAL.

Visiting New York: Col. W. W. Castle and daughter; E. G. Hill, Richmond, Ind.

Alex. Newett of Chicago has taken a position with the Stuppy Floral Co., St. Joseph, Mo.

Visitors in Boston: F. Gomer Watterer, Bagshot, England; Louis Dupuy, Whitestone, N. Y.

A. Rahn of Portland, Ore., is once more attending to business, after his very serious accident.

New York visitor: F. Lautenschlager, representing Kroeschell Bros. Company, Chicago.

Mr. and Mrs. Robert Hunnicks, of Newport, R. I., have recently returned from a five months' tour in Europe.

Chicago visitors: Mrs. Baumgarten of the Baumgarten Floral Co., Milwaukee, Wis.; B. Schroeter, of Detroit.

Philip Breitmeyer has won a substantial victory at the primary election in his campaign for the mayoralty of Detroit.

Arthur Smith, formerly on the Tuckerman estate, Stockbridge, Mass., has taken a position with Peter Smith & Sons near Detroit, Mich.

W. H. West has been appointed superintendent of Lincoln Park, Chicago. Mr. West has been acting superintendent since the death of R. H. Warder.

Prof. Charles S. Sargent returned from his European trip on the Baltic Friday, Sept. 25, and resumed work at the Arnold Arboretum on Saturday.

Max Hildesheim, of the Imperial Seed and Plant Co., Baltimore, Md., arrived last week from his European trip and reports a very stormy passage.

W. J. McCarthy, son of Supt. McCarthy of Swan Point Cemetery, Providence, R. I., has gone to the American College, Louvain, Belgium, for special study.

We are very sorry to learn of the serious illness of John Scott, Brooklyn, N. Y., with typhoid fever, and hope



## FLORISTS' SUPPLIES

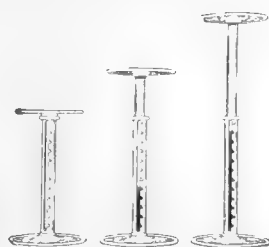
Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**JACOB SCHULZ**, 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984



## THE NEW IDEA IN PLANT STANDS

## The Moore-Livingston Graduating or Adjusting

Saves one-half to two-thirds of cost over ordinary galvanized iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS

SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., **Lansdowne, Pa.**

to be able to announce soon his full recovery.

John W. Dunlap, the pioneer florist of Milwaukee, will celebrate his ninety-fifth birthday on Oct. 16. On Nov. 1 he will resign his position as superintendent of Juncau Park.

Edward Hatch, the honored treasurer of the Gardeners' and Florists' Club of Boston, has been ill for several weeks, and is recuperating at his summer home in East Gloucester, Mass.

Carl S. Pomeroy, assistant horticulturist at Massachusetts Agricultural College, has accepted a position with the U. S. Department of Agriculture. Jacob Kingsley Shaw will succeed him at Amherst.

Alfred Rehder, of the Arnold Arboretum, has gone to Washington, D. C., where he will be engaged in important work for a number of weeks. On his return he will resume his valuable contributions to HORTICULTURE.

A. L. Vaughan, of Vaughan & Sperry, of Chicago, writes that the violets in the Hudson River district are in fine shape. Mr. Vaughan is taking a trip through that country in the interest of business for the coming season.

## NEW RETAIL FLOWER STORES.

A. E. Lutey, Young Block, Houghton, Mich.

H. L. Blind & Co., Liberty Ave. and 5th St., Pittsburgh, Pa.

P. R. Burt, West Deerfield, Mass.

H. F. West, Olean, N. Y.; F. L. Ingles, manager.

J. Reith, Dryades Market, New Orleans, La.

Max Eller, Walnut St., near 10th, Kansas City, Mo.

J. Friedl, 615 W. 26th St., Chicago, Ill.; Mrs. Charles Stewart, manager.

Miss Eva F. Fletcher, 5015 Baltimore Ave., Philadelphia.

## POINSETTIAS IN CHICAGO.

Most of the Chicago growers have a fine stock of poinsettias in pots and pans. If the weather follows the present indication and gets cooler, stock will be in fine shape for the holidays.

The warm weather has had a tendency to lengthen the stems. For cut flowers this is a good feature, especially if plants have plenty of room. But the early stock in pans for decorative purposes are better if kept short.

## NEWS NOTES.

C. G. Nieman has started in the nursery business at Port Clinton, O.

J. Tailby & Son have reopened their flower store in the square at Wellesley, Mass.

The Seymour conservatory at Wright Park, Tacoma, Wash., is completed at a cost of \$10,000.

Adolph L. Foster, New Rochelle, N. Y., has filed a petition in bankruptcy, with liabilities of \$11,526 and assets, \$1,388.

Angelo J. Rossi, florist at 1032 Jones street, San Francisco, Calif., was robbed of jewelry to the value of \$200 recently.

F. H. Kramer, Washington, D. C., will exhibit his new rose, Kramer's Pet, at the flower show Nov. 12-16. This appeared previously as Seedling No. 16.

The Racine Floral Co., Racine, Wis., opens the season with its four new houses equipped with all modern conveniences. Two houses are devoted to carnations, two to roses.

N. F. McCarthy & Co. have begun their regular fall plant auction sales at 84 Hawley street, Boston. The sales are held every Tuesday and Friday A. M. and the stock offered includes all kinds of seasonable material.



HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.



# DAHLIAS

of the Highest Grade

Regular Orders Shipped Direct to You from  
the Growers

WRITE US ABOUT THEM

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.

Commencing Sept. 21st open from 7 a.m. to 8 p.m.

## ADVERTISE

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

## ADVERTISE

## AUTUMN FOLIAGE

Any Quantity. Well Colored.

**W. E. McKISSICK** WHOLESALE  
FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO**

MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to  
advantage.

**E. F. WINTERSON CO.**

46-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill  
your orders to your satisfaction. A complete line of  
Hardy Greens - WILD SMILAX, BOXWOOD,  
HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw  
it in HORTICULTURE."

**AMERICAN BEAUTY** and all other  
**ROSES**  
**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Sept. 28	TWIN CITIES Sept. 28	PHILA. Sept. 28	BOSTON Oct. 1
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
Ex. 12.....	15.00 to 20.00	18.00 to 20.00	15.00 to 20.00	12.00 to 15.00
No. 1.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	6.00 to 10.00
Lower grades.....	6.00 to 10.00	5.00 to 8.00	5.00 to 10.00	1.00 to 4.00
Bride, Maid, Fancy & Special.....	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	2.00 to 3.00
Lower grades.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	.25 to 1.00
Killarney, Richmond, Fan, & Sp.....	7.00 to 8.00	4.00 to 6.00	5.00 to 6.00	2.00 to 4.00
Lower grades.....	3.00 to 7.00	2.00 to 4.00	4.00 to 5.00	.25 to 1.00
Kaiserin, Carnot.....	7.00 to 8.00	3.00 to 6.00	5.00 to 6.00	.25 to 4.00
Golden Gate Chateauf, etc.....	3.00 to 7.00	1.00 to 6.00	5.00 to 6.00	.25 to 3.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	1.00 to 2.00	1.50 to 2.50	1.50 to 2.00	.75 to 1.50
Ordinary.....	.50 to 1.00	1.00 to 1.50	1.00 to 1.50	.50 to .75
<b>MISCELLANEOUS</b>				
Cattleyas.....	50.00 to 60.00	40.00 to 50.00	50.00 to 60.00	50.00 to 60.00
Lilies.....	10.00 to 12.00	5.00 to 12.00	10.00 to 12.00	6.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Asters.....	1.00 to 3.00	1.50 to 3.00	1.50 to 2.00	.10 to 1.00
Gladioli.....	2.00 to 6.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00
Dahlias.....	1.00 to 3.00	1.50 to 3.00	1.00 to 3.00	1.00 to 3.00
Adiantum.....	.75 to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax.....	6.00 to 10.00	10.00 to 15.00	10.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings.....	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00
" & Sprea. (100 bchs.).....	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	15.00 to 50.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of **CUT FLOWERS**



## HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Everygreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax,  
Green, 50c; Leucothoe Sprays (green only), \$1.00.  
Ferns, Dagger and Fancy, 70c. Special prices on lots  
of 100,000 and up. Terms, strictly cash, F. O. B. Elk  
Park, N. C.

**NORTH CAROLINA EVERGREEN CO.**  
Banner Elk, N. C.

## Poehlmann Bros.

Growers and Shippers of

**CHOICEST ROSES**

35 RANDOLPH ST., CHICAGO

## Flower Market Reports.

**BOSTON.** Trade continues to fall off and the little movement that has been so carefully nurtured during the past weeks seems to have died out for lack of vitality, and it becomes evident to anybody that nothing with any backbone in it may be looked for until cold weather ensues. The demand is very weak on all lines, except American Beauty roses and lily of the valley, both of which enjoy the distinction of really being called for occasionally. Carnations and roses are improving in quality and increasing in quantity, but that is all that can be said to their credit at present.

The very dry weather **BUFFALO** has played havoc with asters and other outdoor stock, and the selling market for the past week was in fairly good condition. Gladioli have been received in good quantity and have sold steadily, and these together with dahlias have had a fair demand. Carnations have been coming in heavy, but with short stems and up to a week ago, the demand very light. Shipments arriving during the night were asleep when unpacked owing to the intense heat. On Thursday things brightened up and the balance of the week was a busy one for the trade. Beauties and other roses, together with lily of the valley and other stock, were in demand. Violets are of rather poor quality, but there is a call for them now and then. Chrysanthemums have made their appearance in this market from outside sources. Green goods are in good supply; demand normal.

General conditions are **CHICAGO** slowly improving. The market is not so overstocked and the cooler weather will soon improve the quality of the stock. Asters are nearing the end and the season has on the whole been far from satisfactory. The planting was late on account of the wet spring, causing the early crop of asters to be light, while the late ones were greatly injured by the hot, dry summer. Rain fell last Sunday, and the mercury dropped a few degrees. Chrysanthemums October Frost and Golden Glow are in the market, with stems from 30 to 36 inches. Bassett & Washburn and Poehlmann Bros. were cutting them this week. Carnations are improving steadily, and some very good flowers are seen. The first violets in the market were seen at Vaughan & Sperry's on Saturday. Roses are good, considering the hot weather. Beauties especially are fine and find ready sale.

Another week has passed **DETROIT** without rain and the record for dry weather in the local weather bureau has thereby been completely shattered. The effect on outdoor stuff is very bad and another bad feature of this dry spell is the loss of fall foliage. The leaves are shriveling up and falling from the trees and this prettiest of all outdoor decorating material we shall have to forego. Business in general has been very good during the last week. Many of the florists are booking liberal orders for weddings and other social functions in the near future.

### NEW YORK.

It is not expected that there will be any material change in cut flower market conditions here until a good breeze gets in its work on the outdoor flowers and verdure and the flower buyers who are still dallying in the country. The usual changes in quality of stock coming in, which is characteristic of the season, are going on; asters browned and dissipated looking, roses and carnations longer in stem and improved in flower; dahlias in the way; gladioli on last legs; chrysanthemums getting ready for the invasion and violets peeping shyly in at the doors of the commission houses, uncertain as to their welcome and wondering why there is no excitement. Shake the moth balls out of your overcoat. It's October!

**PHILADELPHIA** While there was a big influx of stock the past week over anything we have had so far, there was very little improvement in the demand. American Beauty roses were good sellers. Cattleyas also. Some unusual funeral work called for large quantities of lily of the valley and orchids and these were in consequence very satisfactory items. A few asters are still coming in but dahlias have the call. The welcome rains early in the week will probably give us far too many dahlias, but they will be finer than ever. Among roses Mrs. Jardine has suffered from the hot spell. Maryland shows up well and is a prime favorite. The weather has been too hot for carnations. They have gone back if anything and carry very poorly. A few violets are arriving and are all right if sold quickly.

Each week shows **WASHINGTON** a marked improvement in the retail as well as the wholesale trade. The continued hot, dry spell has about



**F**OR the past month our private office has been turned into a dispensary for the evolution of silk and satin allurements to charm the nimble orders for ribbons and supplies from the florists of the United States and Canada. Reduced to black and white and bound in compact form the result of this incubation has been mailed to all our customers of record. Anyone not on our list can have the catalogue on application. It will be a revelation to many to find what wonderful creations we offer to the up-to-date florist. We will be glad to hear from you.

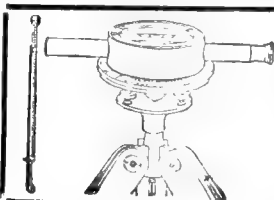
**S. S. PENNOCK - MEEHAN CO.**

**1608-1620 Ludlow St., Philadelphia**

*"The" Wholesale Florists of Philadelphia*

finished up the aster crop, not much before the public had begun to tire of it as a cut flower. Dahlias now prove a burden, though they are wonderfully fine. Chrysanthemums are coming in in very small quantities, and the quality is no advance on the quantity. Carnations are improving in size, but the stem is still short, so that the price cannot advance on them. The drought has finally been broken by one of the most perfect downpours that has visited this section in some time. At the present writing there has been but a very little frost; not enough to do any damage.

Although September **TWIN CITIES** has been very hot, trade all around was good. The market is well supplied but no surplus of anything. Quality not up to the standard. Asters are about the only thing where there is a shortage. Every grower complains about having lost most of them through some disease. Thousands went to the dumps before there were any flowers picked.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

**BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.**

**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**JOHN I. RAYNOR**  
Wholesale Commission Florist SELLING AGENT FOR  
LARGEST GROWERS  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
GARDENIAS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St. New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown  
Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
34 WEST 28th STREET  
PHONES 1664--1665 MADISON SQUARE  
**ENOUGH SAID**

## NEW YORK QUOTATIONS PER 100—TO DEALERS ONLY

	Last Half of Week ending Sept. 26 1908	First Half of Week beginning Sept 28 1908		Last Half of Week ending Sept 26 1908	First Half of Week beginning Sept. 28 1908
<b>Roses</b>					
Am. Beauty, fan and sp. ....	15.00 to 25.00	15.00 to 25.00	<b>MISCELLANEOUS</b>		
" extra .....	8.00 to 10.00	8.00 to 10.00	Cattleyas.....	40.00 to 60.00	50.00 to 60.00
" No. 1 .....	5.00 to 8.00	5.00 to 8.00	Lilies .....	4.00 to 6.00	4.00 to 6.00
" Lower grades .....	.50 to 2.00	.50 to 1.00	Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Bride, 'Maid, fan and sp. ....	1.00 to 5.00	3.00 to 5.00	Asters .....	.25 to 1.00	.25 to 1.00
" lwr. grds. ....	.50 to 1.00	.50 to 1.00	Gladioli .....	.25 to 1.00	.25 to 1.00
Killarney, Richmond, fancy & spec	3.00 to 5.00	3.00 to 5.00	Gardenias.....	12.00 to 25.00	12.00 to 25.00
" lower grades .....	.50 to 1.00	.50 to 1.00	Dahlias.....	.25 to .50	.25 to .50
Kaiserin, Carnet.....	.50 to 5.00	.50 to 5.00	Adiantum.....	.50 to 1.00	.50 to 1.00
Golden Gate, Chantay, etc. ....	.50 to 5.00	.50 to 5.00	Smilax.....	8.00 to 10.00	8.00 to 12.00
Carnations, Fancy and Novelties. .	1.00 to 2.00	1.00 to 2.00	Asparagus Plumosus, strings...	25.00 to 50.00	25.00 to 50.00
" Ordinary .....	.75 to 1.00	.75 to 1.00	" & Spreng. (100 bchs.)	12.00 to 25.00	12.00 to 25.00

**FRANK MILLANG**  
Wholesale Florist  
55-57 West 26th St, NEW YORK  
Shipments, any quantity, Whole-  
sale Market Rates.

**Consignments Requested**  
OF FIRST-CLASS FLOWERS  
A Good Market and Prompt Returns  
**GEORGE SALTFOED**  
43 W. 28th Street, NEW YORK  
Telephone, 3393 Madison Sq.

**TRAENDLY & SCHENCK**  
Wholesale Florists  
Furnish best stock at fair prices all the year round.  
Send for quotations on Fall Orders.  
Tel. 798, 799 Madison Sq. 44 West 28th St., New York City.

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 NEW YORK

**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. New York.



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens  
Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.  
136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.  
Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

**Greater New York  
Florists' Association,**  
Inc.

Now Open for Cut Flower Consignments  
162 Livingston Street, BROOKLYN, N. Y.  
Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**ROBERT J. DYSART,**  
**Public Accountant and Auditor**

Simple methods of correct accounting  
especially adapted for florists' use.  
Books Balanced and Adjusted  
Merchants Bank Building  
28 STATE ST., - BOSTON  
Telephone, Main 56.

**E. A. BEAVEN**  
**Southern Wild Smilax,**  
**Log Mosses,**  
Natural and Perpetuated — at Wholesale  
**EVERGREEN, ALABAMA.**

**MISTLETOE**

**WHOLESALE ONLY**  
Twelve years' experience in gathering and shipping  
Mistletoe. Crop will be about fifty-five thousand  
pounds. Dates of shipments guaranteed.  
Contracts solicited.  
F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

**Anything of Value**  
to the profession  
**CAN BE SOLD**  
through advertising in  
**Horticulture**

**JOHN YOUNG**  
**WHOLESALE FLORIST**

Finest American Beauties and  
Carnations

51 West 28 St. - NEW YORK

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best  
**WHOLESALE COMMISSION HOUSE**  
A First Class Market for all CUT FLOWERS  
28 Willoughby St., Brooklyn, N. Y.  
Tel. 4591 Main

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**FANCY and DAGGER**  
Extra fine, \$1.00 per 1000. Bronze  
and Green Galax, \$1.25 per 1000,  
\$8.50 case of 10,000. Leucothoe  
Sprays, \$1.00 per 100. \$7.50 per  
bale, \$1.25.

**Flowers and  
Florists' Supplies**

The best place in AMERICA to buy

**BAY TREES**

**N. F. McCarthy & Co.**  
84 Hawley St., BOSTON, MASS.  
Largest Dealers in Supplies in New England.

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**  
Fancy and Dagger Ferns  
Bronze and Green Galax  
**Main Store 50 W. 28 St.**  
Phone 1202 Mad. Sq. New York

## WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Sept. 29		Sept. 29		Sept. 29		Sept. 28	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
"    Extra	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.50	to 15.00
"    No. 1	10.00	to 15.00	15.00	to 18.00	8.00	to 15.00	6.00	to 8.00
"    Lower grades	4.00	to 8.00	4.00	to 10.00	3.00	to 8.00	4.00	to 8.00
Bride, 'Maid, F. & S.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	5.00	to 6.00
"    Low. gr.	2.00	to 4.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	4.00	to 6.00
"    Lower grades	2.00	to 3.00	3.00	to 6.00	2.00	to 4.00	2.00	to 3.00
Kaiserin, Carnot.	4.00	to 6.00	3.00	to 8.00	3.00	to 7.00	2.00	to 3.00
Golden Gate, Catenay, etc.	2.00	to 3.00	3.00	to 8.00	3.00	to 6.00	2.00	to 6.00
CARNATIONS								
Fancy and Novelties.	1.00	to 1.50	1.00	to 2.00	1.50	to 2.00	1.00	to 2.00
Ordinary	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	.50	to .75
MISCELLANEOUS								
Cattleyas	8.00	to 10.00	12.50	to 15.00	7.00	to 12.00	5.00	to 6.00
Lilies	3.00	to 4.00	3.00	to 4.50	3.00	to 4.00	2.00	to 4.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.50	3.00	to 4.00	2.00	to 4.00
Asters	1.00	to 1.00	1.00	to 2.00	1.00	to 1.50	1.00	to 1.00
Gladioli	2.00	to 3.00	1.00	to 3.00	1.00	to 3.00	2.00	to 3.00
Dahlias	1.00	to 1.00	1.00	to 1.00	1.00	to 2.00	1.00	to 3.00
Adiantum	1.00	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.50	12.50	to 15.00	12.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings	4.00	to 50.00	40.00	to 50.00	40.00	to 50.00	30.00	to 50.00
"    "    Sprengel (cabbages)	25.00	to 35.00	30.00	to 50.00	25.00	to 30.00	20.00	to 50.00

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**  
Palms, Large and Small Ferns, etc.  
53 West 30th Street, NEW YORK  
Telephone 2083 Madison

**Wired Toothpicks**

Manufactured by  
**W. J. COWEE, BERLIN, N. Y.**  
10,000....\$1.75; 50,000....\$7.50. Sample free  
For sale by dealers

In ordering goods please add "I saw  
it in HORTICULTURE."

**BOSTON FLORIST LETTER CO.**  
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and  
varnished, 18x30x12, made in two sec-  
tions, one for each size letter, given  
away with first order of 500 letters  
Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or  
word. Used by leading florists everywhere and  
for sale by all wholesale florists and supply dealers  
**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegas. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

4-inch.....50 cents each  
5 ".....75 " each  
6 ".....\$1.00 each

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.,  
L. C. Midgley, Prop.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
Asparagus Plumous and Sprengel.

Asparagus Plumous Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

Asparagus roots. Argenteuil, raised on new land; good plants, \$1.00—\$1.50. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

Asparagus plumosus Robustus, strong plants from 2-4 in. pots, \$3.00 per 100. Cash. W. S. Nichol, Barrington, R. I.

## ASTER AND GLADIOLUS BLOOMS

Altimo Culture Co., Canfield, O.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2-4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bel Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
Cold Storage Lily Bulbs.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

K. Velthuys, Hillegom, Holland,  
Represented by Felix Bosch, 260 Clarendon St., Boston.

Bulbs French and Dutch.

For page see List of Advertisers.

Weeber & Don, 114 Chambers St., New York.

Bulbs for Forcing.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Dutch Bulbs and Florists' Supplies.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.  
Calla Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit. L. E. Williams, Nottingham, N. H.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co.,  
White Marsh, Md.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.  
Field Grown Carnations.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

H. A. Cook & Son, Shrewsbury, Mass.  
Carnations Field Grown.

For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.

For page see List of Advertisers.

## CARNATIONS—Continued

Wood Bros., Fishkill, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Morel Bros., 624 E. Market St.,  
Scranton, Pa.

For page see List of Advertisers.

Cohanzie Carnation Greenhouses,  
New London, Conn.

Surplus Carnation Plants.

Enchantress, strong, field, \$4.00 to close.  
Cash. L. E. Marquisee, Syracuse, N. Y.

130 Carnation Plants, Pink Lawson, for \$4. 120 Enchantress for \$4. Cash. Furst, Florist, Dayton, Ohio.

Field grown Carnation Plants, healthy, large, none better. Enchantress, Mrs. Th. W. Lawson, Boston Market, Lady Bountiful, Cardinal, \$5.00 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

Large quantity of fine Enchantress, \$5.00; also good Queen and Harlowarden, \$5.00; Perfection \$7.00; Victory \$6.50; Bountiful, medium, \$4.00. A. A. Gannett, Geneva, N. Y.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen,  
Denmark.

For page see List of Advertisers.

## CHRISTMAS PEPPERS

Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

Morel Bros., 624 E. Market St.,  
Scranton, Pa.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American  
Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Decorative Plants, Primulas, Etc.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co.,  
1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

**For List of Advertisers See Page 465**



**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway,  
New York, N. Y.  
Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
H. H. Barrows & Son, Whitman, Mass.  
Neprolepis Whitman.  
For page see List of Advertisers.  
John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.  
Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.  
F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.  
Storrs & Harrison Co., Painesville, O.  
For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.  
Thos. J. Grey & Co.,  
82 and 33 South Market St., Boston.  
High-Grade Scotch Soot.  
For page see List of Advertisers.  
German Kali Works, 93 Nassau St.,  
New York.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.  
J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.  
For page see List of Advertisers.  
H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.  
Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.  
Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.  
M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.  
William J. Smyth, Michigan Ave. and 31st  
St., Chicago.  
For page see List of Advertisers.  
George Withbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.  
Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.  
Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.  
Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.  
Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH —****Continued**

Edward MacMulkin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.  
Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.  
For page see List of Advertisers.  
J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.  
For page see List of Advertisers.  
Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.  
Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.  
Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.  
For page see List of Advertisers.  
A. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.  
David Clarke's Sons, 2159-2141 Broadway,  
New York.  
For page see List of Advertisers.  
Alex. McConnell, New York.  
For page see List of Advertisers.  
Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.  
For page see List of Advertisers.  
Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.  
J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE  
PLANTS**

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.  
**FLOWER POTS**  
W. H. Ernest, 28th and M Sts.,  
Washington, D. C.  
For page see List of Advertisers.  
A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.  
Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.  
Whilldin Pottery Co., Philadelphia.  
Standard Flower Pots.  
For page see List of Advertisers.  
The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.  
Zanesville, O.

**FORCING RHUBARB AND  
ASPARAGUS**

I have 50,000 three-year old Rhubarb  
roots for this winter's forcing. Also 50,000  
large Asparagus roots for forcing. Order  
now as there is a large demand for these  
roots for forcing. Florists are buying  
heavily. We have also 30,000 Privet,  
35,000 Peach trees, 500,000 Asparagus roots,  
200,000 Strawberry plants, 5,000 Apple  
trees. All ready now to plant. Warren  
Shinn's Nursery Stock, Woodstown, N. J.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad  
way, Detroit, Mich.  
For page see List of Advertisers.  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.  
No. Carolina Evergreen Co., Banner Elk,  
North Carolina.  
For page see List of Advertisers.  
N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

Gladiolus Blooms by dozen, hundred or  
thousand. Trial order, 100 blooms, mixed,  
\$1.00. J. L. Moore, Northboro, Mass.

**GLASS**

Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.

**GLASS — Continued**

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.  
For page see List of Advertisers.  
Parsbelsky Bros., 59 Montrose Ave.,  
Brooklyn, N. Y.  
For page see List of Advertisers.  
Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.  
**GLASS, High Grade, Double Thick Green-  
house Glass.** Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.  
**GLAZING POINTS,** Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATE-  
RIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
A. T. Stearns Lumber Co., Neponset,  
Boston.  
For page see List of Advertisers.  
King Construction Co., N. Tonawanda,  
New York.  
For page see List of Advertisers.  
J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**  
**GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses.** Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.  
Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.  
The Weathered Co., New York City.  
For page see List of Advertisers.

**GUTTERS**

**GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip  
gutter attachment.** Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.  
Michigan Cut Flower Exchange,  
88 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.  
George Cotsonas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.  
N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.  
H. M. Totman, Randolph, Vt.  
Maidenhair, Dagger and Fancy Ferns.

**In writing to Advertisers kindly mention Horticulture**

**HARDY FERNS AND SUPPLIES—****Continued**

No. Carolina Evergreen Co., Banner Elk, North Carolina  
For page see List of Advertisers.

**HARDY PERENNIALS**

All strong head plants or roots of the following kinds. Price per 100. No less than 20 of one kind at these prices. Anemone Jap. Whitewind, \$1.50; Campanula Persicifolia, blue and white, \$3.50; Dianthus Plumarius, hardy pinks, \$3.50; Funkia Media Picta Var. \$3.50; Boccunia Cordata, \$2.50; Helianthus Autumn. Sup. \$2.50; Oriental Peppies, six named sorts, \$4.00; Phlox in variety, \$2.50; Phlox Subulata, Rose and Lilac, clumps, \$3.50; Rudbeckia Newmanii and Sub. Tomentosa, \$2.00; Spiraea, Palmata Elegans, Umatia, Aurea, and Venusia, \$3.50; Eupatorium Agerotoides, \$2.50; Euphorbia Corolata, \$2.50; Helianthus Mollis Grand, Wooley Dodd and Decapetalus, \$2.50. German Iris in mixture, \$1.50. Palisades Nurseries, Sparkill, N. Y.

Hardy Plants—Note our low prices on field grown plants. Ger. Iris, Atrop., Aug., Hon., Md. Chereau, Queen of Gyp., Spect., Virgils, Walneri, \$3.00 per 100. Japan Iris, mixed, \$8.00; Aquilegia, Chrys. Gland Skinneri, \$5.00; Tall Eng. Delph. \$10.00; Funkia Coculea, \$4.00; Hemerocallis Fulva, Kwanso, \$3.50; Rudbeckia, Golden Glow, Laemata, Newmanii, \$3.00; Helianthus, Max, Rigidus, \$2.50; Valeriana, \$3.00. Wagner Park Conservatories, Sydney, Ohio.

Sweet Williams, Canterbury Bells, Vinca Minor. Also Pansies. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

**HEATING APPARATUS**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand, Alba.  
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Hydrangea Oluska.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. R. Paethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stump & Walter Co., 50 Barclay St., New York.

Kilnhead Tobacco Dust.

For page see List of Advertisers.

"The Emulgate Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

**INSECTICIDES—Continued**

"The Black Stuff Fine Tobacco Powder"—Green flies, and black ones too, die on sight of the bag. 'Tis fine as flour, and made from the black strong tobacco; for dusting on foliage it has no equal. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

APHICIDE (nicotine paper) costs less per effectual fumigation than any other paper made. We guarantee this. We sell direct to the grower; the middleman's profit is placed in the nicotine strength of the paper. 24 sheets, each sheet 24 inches long, 66c. postpaid; 144 sheets, each sheet 24 inches long, \$3.50 express paid; 288 sheets, each sheet 24 inches long, \$6.50, express paid. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers.

**IRIS**

500 Pseudo-acorus, 6c.; 200 Flave-cens, 1000 Mme. Chereau, 3c. each. E. F. Dwyer & Sons, Lynn, Mass.

Iris pallida dalmatica (true variety), the finest of all the German Iris, price \$12.00 per 100; special price on large lots. Now is the time for planting. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

The Storrs Harrison Co., Painesville, O.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.....	\$1.50	\$18.00
" 7-in.....	1.75	21.00
" 8-in.....	2.50	30.00
" 8-in. strong. 4.00	48.00	
" 9-in.....	6.00	
Kentia Forsteriana, 7-in.....	2.50	30.00
" 8-in.....	3.00	36.00
" 8-in. strong. 5.00	60.00	
" 9-in.....	6.00	72.00
Made-up Kentia Forsteriana....	6.00	72.00
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.		

**LEUCOTHOE**

No. Carolina Evergreen Co., Banners Elk, North Carolina.

For page see List of Advertisers.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hill's, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,

American Nursery, Bagshot, England.  
For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.

Herbaceous Perennials, Hardy Ornamental Trees.  
For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

**NURSERY STOCK—Continued**

P. Ouwkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers.

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS, ELLWANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.

For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.

Orange, N. J.

For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Augustus Zimigibel, Needham, Mass.

For page see List of Advertisers.

Giants, strong plants, seeds from carefully selected specimen plants, 50c. per 100, postpaid; \$3.00 per 1000. Dunn Greenhouse Co., Rochester, Ind., C. C. Arnold, Manager.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

Wm. Mathews, Utica, N. Y.

Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, M. Y.

**PEONIES**

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.

Henry A. Dreer, Philadelphia.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

Peonies. Newest of the new, and the standard old varieties. Send for catalog. George Hollis, 128 Hollis St., South Weymouth, Mass.

**For List of Advertisers See Page 465**

**PHLOXES**

Phlox, 20 of the best varieties. John F. Flood Co., East St., Dedham, Mass.

Phlox The Pearl, 1 yr. field clumps, \$3.00 per 100. Norman & Hacker, Painesville, O.

Phlox Miss Lingard, 1 yr. field grown, \$3.50 per 100; \$30.00 per 1000. Norman & Hacker, Painesville, O.

Send 25 cts. in stamps for Phlox Manuel. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

Field grown, 1500 Stella's Choice, tall, late, white, 150 Pantheon, 100 Cross of Honor, 3c. each. E. F. Dwyer & Sons, Lynn, Mass.

Phlox Perennial. Three best whites in existence. Strong field plants of Madame Lingard and Mrs. E. E. Jenkins, \$40.00 per 1000, \$5.00 per 100, 75c. per doz. F. G. Von Lassburg, \$6.50 per 100, \$1.00 per doz. Palisades Nurseries, Sparkill, N. Y.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago. For page see List of Advertisers.

**PIPE AND FITTINGS.** Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa. For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp. \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind. For page see List of Advertisers.

**PRIVET**

800,000 Cal. Privet, 2 years old, 2½ to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo. For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers

Atlanta Floral Co., Atlanta, Ga. For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1637-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers

Thos. F. Galvin, 124 Tremont St., Boston. For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMulklin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich. For page see List of Advertisers.

Samuel Murray, 1017 Broadway,

Kansas City, Mo.

For page see List of Advertisers

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4328 Olive St., St. Louis, Mo.

For page see List of Advertisers.

**RETAIL FLORISTS—Continued**

H. G. Eyres, 11 N. Pearl St., Albany, N. Y. For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

Young & Nugent, 42 W. 23th St., N. Y. For page see List of Advertisers

J. H. Dunlop, 96 Yonge St., Toronto, Can. For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass. For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa. For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind. Bride and 'Maid.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J. For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Grafted Roses. Own Roots.

For page see List of Advertisers.

J. W. Adams & Co., Springfield, Mass.

Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Roses, strong, own root, 4 inch Chateauay, Killarney, Richmond and Maid, \$8 per 100. Fine stock. Siebrecht & Son, New Rochelle, N. Y.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York. For page see List of Advertisers.

**SEEDS**

T. J. Grey Co., 32 So. Market St., Boston, Mass.

For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.

For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y. For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.

For page see List of Advertisers.

H. F. Michell Co., 1017 Market St., Phila. Cyclamen Seed.

For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.

Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Richard's Bros., 37 E. 19th St., New York. For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.

Mignonette Seed.

For page see List of Advertisers.

Brasilian Seed Growers Co., San Jose Cal. For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq., Boston.

Cyclamen Seed.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J. Hardy Garden Carnation Seed.

For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

For page see List of Advertisers.

Skidelsky & Irwin Co., 144 N. 7th St., Philadelphia.

For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass. For page see List of Advertisers.

**SMILAX**

R. Vincent Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

Morel Bros., 624 E. Market St., Scranton, Pa.

For page see List of Advertisers.

Pochmann Bros. Co., Morton Grove, Ill. Smilax, strong, from 2-12 inch; \$2.50 per 100. Cash. L. E. Marquisee, Syracuse, N. Y.

Smilax, 2½, strong, \$1.50. Cash. L. E. Marquisee, Syracuse, N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. H. Hppard, Youngstown, O.

**SULFUR BURNER**

Benj. Dorrance, Rose Growers, Dorranceton, Pa.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J. Winter Flowering.

For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.

For page see List of Advertisers.

**TROLLIUS**

1000 Trollius Europaeus, \$5.00 per 100. E. F. Dwyer & Sons, Lynn, Mass.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y. For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind. 20th Century Ventilating Arm.

For page see List of Advertisers.

**VENTILATING MACHINERY.** New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

**VERONICA**

Longifolia Subsessilis (Blue Jay Flower), the best of all hardy plants for cutting or bedding. Extra strong field clumps, \$6.50 per 100, \$1.00 per doz. First size field plants, \$5.50 per 100, 80c. per doz. Strong field plants, \$4.50 per 100, 60c. per doz., \$3.50 per 1000. Palisades Nurseries, Sparkill, N. Y.

**VINCAS**

Vinca Var., strong, field, \$3.50. Cash. L. E. Marquisee, Syracuse, N. Y.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.

For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y. For page see List of Advertisers.

Wagel & Uffalussy, 136-138 W. 28th St., New York.

Florists' Wire Designs and Supplies.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**WIREWORK — Continued**

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.

For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.

For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

**New York**

J. S. Fenrich, 110 W. 28th St., New York

For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York

For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York

For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York.

For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York

For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York

For page see List of Advertisers.

James McManus, 42 W. 28th St., New York

For page see List of Advertisers.

John J. Raynor, 49 W. 28th St., New York

For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York

For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New York.

For page see List of Advertisers.

Moore, Hentz & Nash 55 and 57 W. 28th St., New York.

For page see List of Advertisers.

**WHOLESALE FLORISTS —****New York — Continued**

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 26th St., New York.

For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York.

For page see List of Advertisers.

John Young, 51 W. 28th St., New York.

For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

For page see List of Advertisers.

**Philadelphia**

W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.

For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.

For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.

For page see List of Advertisers.

**Pittsburg**

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.

For page see List of Advertisers.

**St. Louis**

H. G. Berning, 1402 Pine St., St. Louis, Mo.

For page see List of Advertisers

**WHOLESALE PLANTSMAN**

Samuel A. Woodrow, 53 W. 30th St., New York.

For page see List of Advertisers.

**WILD SMILAX**

E. A. Beaven, Evergreen, Ala.

Southern Wild Smilax: Log Mosses.

For page see List of Advertisers.

**New Offers in This Issue.****LOMBARDY POPLARS WANTED.**

J. H. Troy, 24 East 34th St., New York, N. Y.

For page see List of Advertisers.

**LORRAINE BEGONIAS.**

E. A. Butler & Son, Niagara Falls, N. Y.

For page see List of Advertisers.

**MISTLETOE.**

F. Cecil Barker & Co., Las Cruces, N. Mex.

For page see List of Advertisers.

**NEW RED HELENIUM.**

Frederic J. Rea, Norwood, Mass.

For page see List of Advertisers.

**NORWAY AND SUGAR MAPLES.**

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.

For page see List of Advertisers.

**ORNAMENTAL TREES.**

Bay State Nurseries, N. Abington, Mass.

For page see List of Advertisers.

**PALMS.**

Henry A. Dreer, 714 Chestnut St., Philadelphia.

For page see List of Advertisers.

**NEW OFFERS — Continued****SHEEP MANURE.**

Robert Simpson, Clifton, N. J.

For page see List of Advertisers.

**U-N-IT GLOBE SPRAYERS.**

J. F. Cass Mfg. Co., Detroit, Mich.

For page see List of Advertisers.

**WELCOME, FOUNDERS' WEEK.**

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

**WHOLESALE FLORIST.**

George Saltford, 43 W. 28th St., New York.

For page see List of Advertisers.

**WHOLESALE FLORIST.**

Frank Millang, 55-57 W. 26th St., New York.

For page see List of Advertisers.

**THE PULVERIZED MANURE CO.**

31 Exchange Ave., Union Stock Yards, Chicago

**SHEEP MANURE**

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**  
CLIFTON, N. J.

**HELP WANTED****GOOD MEN**

When you need good men, skilled or unskilled, Write:

**THOS. H. BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

**SITUATIONS WANTED**

**WANTED SITUATION**—As forester or park foreman. Good references. Address B, care HORTICULTURE, 11 Hamilton Place, Boston.

**SITUATION WANTED** in general greenhouse work or florist store. Life experience; age 35. Address N. J., care HORTICULTURE.

**SITUATION WANTED**—By Hollander, 28 years old, married, 16 years' practical experience in all branches of nursery work. Commercial or private. Address J. C. van Olfen, Box 475 Mt. Kisco, N. Y.

**FOR SALE**

**FOR SALE**—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

**FOR SALE**—Gurney Hot Water Heater No. 401, 1½ and 2 inch pipes and fittings. E. M. Ingalls, 43 Whiting St., Lynn, Mass.

**READY NOW**

**PTERIS TREPULA** and **PTERIS ARGYREA**  
Strong 2½ inch pot plants, \$2.50 per 100, \$20.00 per 1000.

**ARAUCARIAS**

Never had a better lot. 5 inch pot plants, 12 inches high, 3 tiers, 60c; 6 inch pot plants, 14 inches high, 3 and 4 tiers, 75c; 7 inch pot plants, 16 inches high, 4 tiers, \$1.

**PRIMULA SINENSIS**

Fine Strain 2½ inch pots, \$3 per 100.

**PRIMULA OBCONICA**

2½ inch, White, Pink and Red at \$2.50 per 100.

**CHRISTMAS PEPPERS**

4 in. full of fruit, \$20.00 per 100.

**HYDRANGEA OTAKSA**

Field grown, 4 to 6 flower shoots, and bushy, \$12.00 per 100.

**PANDANUS UTILIS**

2½ inch pots, \$6 per 100; 4 inch pots, \$10.50 per 100.

**SMALL FERNS for dishes.**

Extra fine stock—all varieties 2½ inch pots, \$3.00 per 100; \$25.00 per 1000.

**BOSTON FERN**

From bench, ready for 4 inch pots, \$10.00 per 100; 5 inch pot size, \$15.00 per 100; 6 inch pot size, \$25.00 per 100.

**FICUS ELASTICA**

4 inch pot, 10 to 12 inches high, \$25 per 100; 5 inch pots, 20 inches high, \$50 per 100.

**KENTIA BELMOREANA**

2½ inch pot plants for centers of ferneries, \$7 per 100.

**THE STORRS & HARRISON CO.,**

**PAINESVILLE, OHIO**

## List of Advertisers

Page	Page
Advance, The Co. .... 467	Michigan Cut Flower
American Nursery.... 440	Exchange..... 459
Aschmann G. .... 438	Midgley L. .... 451
Atlanta Floral Co. .... 441	Millang Bros. .... 458
Barker F. Cecil & Co. .... 450	Millang Frank. .... 458
Bambrick Thos. H. .... 444	Mitting, A. .... 453
Barrows H. H. & Son. .... 438	Moninger J. C. .... 467
Bassett & Washburn. .... 451	Moon Samuel C. .... 447
Bayersdorfer H. & Co. .... 447-455	Moore, Hentz & Nash. .... 458
Bay State Nurseries. .... 440	Morel Bros. .... 451
Beaven E. A. .... 459	Mo re-Livingston Co. .... 454
Berning H. G. .... 450	Morse C. C. & Co. .... 453
Boddington A. T. .... 453	Murdoch J. B. & Co. .... 456
Boston Florist Letter	Murray Samuel .... 454
Co. .... 459	New England Nur-
Boston Plate and Win-	series ..... 447
dow Glass Co. .... 46	Niessen Leo Co. .... 450
Bosch, Felix. .... 453	North Carolina Ever-
Bostrom-Brady Mfg.	green Co. .... 456
Co. .... 457	Oechslin Frank ..... 438
Braslan Seed Growers	Ordonez Bros. .... 439
Co. .... 453	Ouwkerk P. .... 440
Breck Joseph & Sons. .... 453	Pacific ..... 440
Breitmeyer's J. Sons. .... 454	Paletthorpe P. R. Co. .... 465
Brightman's Seed	Park Floral Co. .... 454
Warehouse ..... 453	Parshelsky Bros. .... 466
Budlong J. A. .... 456	Payne John A. .... 466
Burpee W. A. & Co. .... 453	Pennock-Meehan Co. .... 457
Butler E. A. & Son. .... 449	Perkins St. Nurseries. .... 438
Carrillo & Baldwin ..... 429	Pierce F. O. Co. .... 46
Castle Co. .... 466	Pierston, A. N. .... 438
Cass J. F. Mfg. Co. .... 465	Pierston F. R. Co. .... 438
Chicago Carnation	Pier on U Bar Co. .... 468
Co. .... 411	Peehlmann Bros. Co. .... 456
Clarke's David, Sons. .... 454	Pratt B. G. Co. .... 465
Cleary's Horticultural	Pulverized Manure Co. .... 464
Co. .... 440	Quaker City Machine
Cook H. A. & Son. .... 451	Co. .... 467
Cotsonas Geo. & Co. .... 459	Quinlan P. R. .... 451
Cowee W. J. .... 459	Raynor John I. .... 458
Craig, Robt. Co. .... 439	Rea Frederic J. .... 440
Crawbuck Geo. W. .... 459	Reed & Keller. .... 459
Dingee & Conard Co. .... 444	Reinberg Peter. .... 447
Doane Geo. B. & Son. .... 467	Ribsam Carman. .... 456
Dorner F. Sons & Co. .... 451	Rice Bros. .... 456
Dreer H. A. .... 439-40	Rickards Bros. .... 453
Dunlop John H. .... 454	Robinson H. M. & Co. .... 456
Dysart R. J. .... 459	Rock Wm. L. Flo. Co. .... 454
Edwards Folding Box	Roehrs Julius Co. .... 439
Co. .... 456	Roper Albert. .... 451
Elliott Wm & Sons. .... 453	Roland, Thomas. .... 449
Elm City Nurs'y Co. .... 440	Rolker August & Sons. .... 448
Euler J. G. .... 467	Rose Hill Nurseries. .... 439
Ernest W. H. .... 448	Saltford Geo. .... 458
Eyres ..... 454	Sander & Son. .... 439
Farquhar R. & J. & Co. .... 452	Schultheis Anton. .... 449
Fennrich J. S. .... 458	Schulz Jacob. .... 455
Fiske, H. E. Seed Co.	Scott, John. .... 438
453-465	Sharp, Partridge & Co. .... 466
Foley Mfg. Co. .... 467	Sheridan W. F. .... 458
Ford Bros. .... 458	Siggers & Siegers. .... 467
Froment H. E. .... 458	Simpson Robt. .... 464
Galvin Thos. F. .... 454	Situations & Wants. .... 464
Green Chas. .... 451	Skidelsky & Irwin Co. .... 453
Greater N.Y. Florists'	Smyth Wm. J. .... 454
Association. .... 459	Standard Plate Glass
Grey T. J. Co. .... 453	Co. .... 466
Gude Bros. Co. .... 454	Stearns A.T. Lumber
Guttman Alex. J. .... 458	Co. .... 467
Hall Asso. .... 467	Storis & Harrison Co. .... 464
Hartmann Hjalmar &	Stumpp & Walter Co. .... 465
Co. .... 453	Thorburn J. M. & Co. .... 453
Hauswirth M.C. & J. E. .... 454	Totty Chas. H. .... 451
Heacock Joseph. .... 440	Traendly & Schenck. .... 458
Herbert David & Son. .... 449	Troy J. H. .... 449
Hews A. H. & Co. .... 448	Twomey D. J. .... 447
Hilfinger Bros. .... 448	Valentine, J. A. .... 454
Hill, The E. G. Co. .... 438-440	Velthuy-K. .... 453
Hoffman ..... 454	Vincent R. Jr. & Sons, .... 451-452
Horan E. C. .... 458	Waterer John & Sons. .... 441
Houghton & Clark. .... 454	Weathered Co. .... 478
Hunt E. H. .... 455	Weber F. C. .... 454
Kessler, P. F. .... 448	Weeber & Don. .... 433
King Cons. Co. .... 466	Welch Bros. .... 456
Kroeschell Bros. Co. .... 467	Weigel & Uffalussy. .... 450
Kuebler Wm. H. .... 459	Whildin Pottery Co. .... 448
Lager & Hurrell ..... 433	Wilson. .... 454
Langjahr, Alfred H. .... 458	Winter-on, E. F. Co. .... 456
Leuthy A. & Co. .... 48	Withold Geo. Co. .... 438
Lord & Burnham Co. .... 468	Wood Bros. .... 451
Lutton W. H. .... 467	Woodrow, Sam'l A. .... 459
Manda Jos. A. .... 439	Worcester Conserva-
MacMullen E. A. .... 454	tores ..... 451
Mathews Wm. .... 439	Yokohama Nursery Co. .... 440
McCarthy N. F. & Co. .... 455-459	Young John. .... 459
McConnell Alex. .... 454	Young & Nugent. .... 454
McKellar Charles W. .... 456	Zangen O. V. .... 453
McKissick, W. E. .... 456	Zinn Julius A. .... 454
McManus Jas. .... 458	Zirngiebel A. .... 449
Meyer J. C. & Co. .... 451	Zvolanek A. C. .... 453
Michell H. F. Co. .... 453-465	

NOW IS THE TIME TO USE



## DREER'S Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Galvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

### BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

Let us know the thickness of glass you intend using and we will send samples of the size point needed.

**IF YOU ARE BUILDING**  
**HENRY A. DREER, 714 CHESTNUT ST., PHILADELPHIA, PA.**

### DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.

## U-N-IT GLOBE SPRAYER

It brings out in solution, with the water, what is put into the Globe.

EVERY  
GROWER  
SHOULD  
OWN ONE.

Made of solid brass. Fits standard hose connection. Tested at 150 pounds water pressure. Ask your dealer or write to us for circulars. Sent prepaid to any address in U. S. or Canada on receipt of \$3.50. Address  
Dept. H, J. F. CASS MFG. CO, Detroit, Mich.



## The Best Bug Killer and Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

### DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

IS YOUR NAME IN THE ABOVE  
LIST? IF NOT, WHY NOT?

## TO BUYERS

Patronize our advertisers, they will treat you right



### GREENHOUSES BUILDING OR CONTEMPLATED.

Lowell, Mass.—P. J. Riley, additions.  
Rosedale, Kan.—Mrs. Bunyar, additions.

Cote de Neiges, Can.—C. B. Gordon, additions.

Champaign, Ill.—Thos. Franks & Son, one house.

Washington, N. J.—Mrs. E. E. Jenkins, one house.

Clearfield, Pa.—Wm. Blacker, carnation house, 15 x 60.

Philadelphia, Pa.—Godfrey Aschmann, house 28 x 75.

Burlington, Ia.—Joseph Bock, three houses each 27 x 220.

Pittsburgh, Pa.—Chas. Koenig, two houses, each 30 x 100.

Franklin, Mass.—Continental Nurseries, house 50 x 200.

Montreal, Can.—Wilshire Bros., carnation house 20 x 100.

Providence, R. I.—G. C. Kelly, house 25 x 80; F. Sullivan, additions.

Morton Grove, Ill.—Vic Blatz, two houses, one 20 x 50, one 32 x 200.

### WHERE PROSPERITY THRIVES.

Idle Hour Nurseries of Macon, Ga., are having a violet house erected in addition to a range of greenhouses now about completed. These are all built by the Foley Mfg. Co. of Chicago, who have also just completed greenhouses for the Agricultural College at Urbana, Ills. Their superintendent is now in South Dakota looking after the erection of similar ones for the State Experiment Station there, and their work now includes greenhouses for experiment stations in Minnesota, Wisconsin, Indiana, Illinois, Maryland, Texas, Oklahoma, North Dakota, at the Industrial school for boys at Glenwood, Ills., and Chicago University. Mr. Foley is very reticent regarding his own work and reluctantly gave the above information. He says they are drifting into steel for frames and concrete for walls.

### PATENTS GRANTED.

592,039 Seed-Planter. William T. Gibbs, Louisville, Ga.

598,925 Lawn Mower. John C. Reimers, Stella, Nebr.

599,090 Seed-Corn Tester. Clarence G. Taylor, Sibley, Iowa.

599,046 Flower Stake. William Henshaw, Springfield, N. J.

599,215 Means for Tilling Fields. Benton J. Godley, Romulus, N. Y.

599,401 Wood Block. August Iten, Mountainview, Hawaii.

### NEW HEATING APPARATUS.

John Walker, Youngstown, O., two large boilers.

Joseph Bock, Burlington, Ia., two 150 h. p. boilers.

We learn from the Birmingham (Ala.) Herald that in Birmingham to plant Carolina poplars is a criminal offense, and may be punished by arrest and a fine. The council at a recent meeting passed the ordinance, which sets the ban upon this kind of tree planting. It is condemned "on account of the leaves which fall early and never shrivel."

## The Payne Steel "T" Bar Greenhouses



The  
Lightest

The  
Strongest

Half full Size

HOUSES of this type are constructed with both curved glass eaves and straight glass eaves. Least amount of shadow. Least amount of wood. No drip. Greatest durability.

## JOHNA. PAYNE

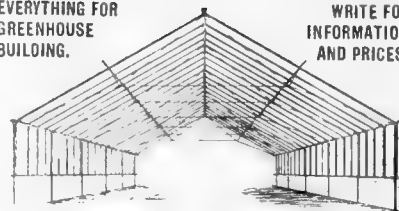
Greenhouse Designer and Builder

260-274 Culver Avenue

**JERSEY CITY, N. J.**

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses. King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

# GREENHOUSE GLASS

JOBBER AND DEALERS IN

Plate and Window Glass

Write for Our Prices

## PARSHELSKY BROS.

59 Montrose Ave., BROOKLYN, N. Y.

## The CASTLE SPECIALTIES

For full description of the **AUTOMATIC CIRCULATOR** and the **CASTLE TUBE AND PIPE COUPLING** for Steam or Hot Water, see issue of **HORTICULTURE** for September 26. The Coupler is the simplest device for repairing a defective pipe and makes at once a **Flexible Expansion Joint**. Sample Couplers forwarded at 50c each.

### THE CASTLE COMPANY

Heating Engineers

170 Summer St., Boston

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SHAPS

BOSTON PLATE & WINDOW GLASS CO.

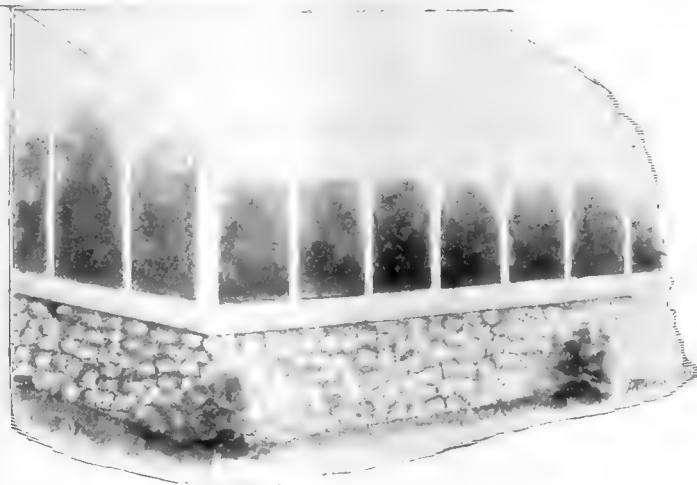
## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

In ordering goods please add  
"I saw it in HORTICULTURE."





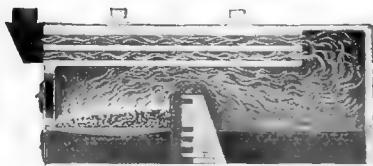
### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton, Horticultural Architect and Builder**

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

You will find the greatest satisfaction in using a line of goods, because it does first-class work at all times, does it easily, lasts a long time and is sold right. Get our estimate on what you need as a trial order and we know you will order again. Free estimates.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making of material for

### GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

### GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**GREENHOUSE CONSTRUCTION**  
**LUMBER**

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

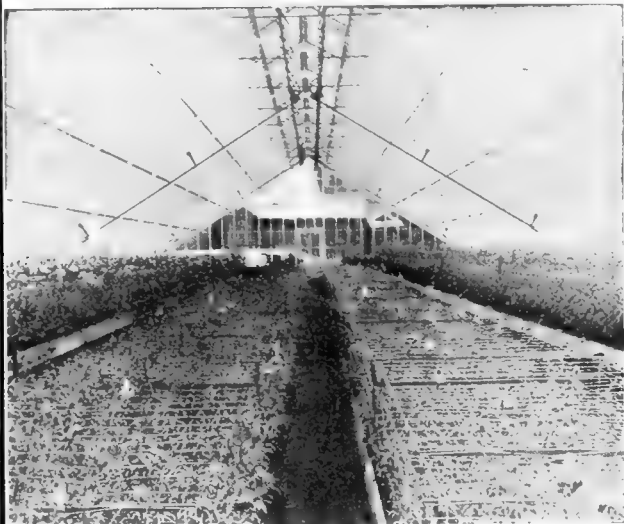
Write for the Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1/2 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.  
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.



## HERE IS THAT SPECIAL PROPOSITION AGAIN

It is a house that we keep constantly in stock and so can ship materials promptly.

We make it especially to meet the demands for a small Iron Frame house at a moderate cost.

It is 25 feet long and 10 feet wide, and can be placed on iron posts instead of masonry walls, and save considerable expense. This particular house we erected a year or more ago for Wellesley College.

For full particulars and prices, send for Circular 49.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## U-BAR WHYS

No cumbersome rafters and supports to bar the streams of light in a U-Bar house—and the more light, the more and better are the blooms—the finer finished fruit. The U-Bar is a steel encased roof bar, so strong that no rafters are necessary. Glass breakage from expansion and contraction is entirely overcome. Durability assured. Its keynote is simplicity. It is the most attractive house built

*The ideal construction for private  
estates, parks, public institutions  
and florists' showrooms*

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

# HORTICULTURE

Vol. VIII.

OCTOBER 10, 1908

No. 15



NEW SHOW DAHLIA "DREER'S WHITE"

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*

...THE...  
**Greatest Florists' Novelty in Years**

AWARDED  
 HIGH  
 COMMENDATION  
 AT THE  
 NIAGARA FALLS  
 CONVENTION  
 AND NOW  
 GOING LIKE  
 WILD FIRE



**Registered**

NOTE:—Infringers will be prosecuted

Offered in all flower tints. Send for Samples and Prices now. Its use the coming season will be the **STAMP** of **STYLE**.

**WERTHEIMER BROS.** The National Floral Ribbon House  
 550 Broadway, New York City

**I HAVE JUST RETURNED**

from my annual business tour of the European sources of supply and can offer Bargains in **Kentias** and other Decorative Plants, all sizes. Also the following at **Lowest Import Prices**. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprenger. Also a large collection of small ferns for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
 Perki's St. Nurseries, ROSLINDALE, MASS.

**HEADQUARTERS**

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

**GODFREY ASCHMANN**

1012 West Ontario St., Phila., Pa.

**NEPHROLEPIS SCOTTII**

in the following sizes, extra good value

25c., 50c., 75c., and \$1

Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**

Rutland Road and E. 45th St.

Tel. 28,0 Bedford **BROOKLYN, N.Y.**

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

**FINE 4-INCH POINSETTIAS**

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,

\$5 00 per 100; \$45 00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

**DECORATIVE PLANTS**

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias, Latanias, Arecas, Etc. Perennials and Shrubs.

Send for our price list. We have a complete stock

**The Geo. Wittbold Co.**

1657 Buckingham Place,

Chicago, Ill.

**FERNS for DISKS**

Assorted Varieties, from 2 in. pots, \$3.00 per 100, \$25.00 per 1000.

CASH WITH ORDER

**FRANK OECHSLIN**

2570-2606 W. Adams St., Chicago.  
 Formerly Garfield Park Flower Co.

**A. N. PIERSON, Inc.**  
**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

**TO BUYERS**

Patronize our advertisers. they will treat you right





## Troy's WANT Corner SILVER LINDENS

3 to 4 inch caliper. Quote price per 100 and 1-2 inch variety.

Watch this corner every week if you have desirable Nursery Stock to sell.

**J. H. TROY, New Rochelle, N. Y.**  
TEL. 339 New Rochelle, or 4000 Mad. Sq., N. Y.

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.  
White Spruce, 3-4, 4-5, and 5-6 ft.  
Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.  
Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.  
White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Paeonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

**The New England Nurseries, Inc.**  
BEDFORD, MASS.

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubbery in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price



## HYDRANGEA

(Arborescens)

### GRAND ALBA

A taking novelty for

**FORCING**

Strong field grown 15 inch and up \$15 per 100, \$14 per 1000, 1 to 15 inch \$4 per 100, \$3.75 per 1000.

The Elm City Nur Co.  
NEW HAVEN, CONN.

## BARGAINS in TREES and PLANTS

Concolor Spruces, \$2.00. Pines, \$3.00 per 100.  
List Free—D. L. TWOMEY, Dept. Horticulture, N. Y.

# CLEARING SALE

**SHRUBBERY--BIG STUFF, AT HALF!**

**Landscapers, Nurserymen and Big Planters—Attention!**

To settle up an estate which desires to quit the shrub growing business and clean up the ground within the next few weeks I make the following sacrifice offer of some thirty thousand shrubs for prompt orders and unsold. Within easy shipping distance of Philadelphia. Fine soil, everything well rooted and frequently transplanted. Splendid stock for immediate effect.

10,000 Hydrangea Paniculata Grandiflora, 12 to 18 in. ....	7c. each	300 Forsythia Golden Bell, 4 to 6 ft. ....	7c. each
5,000 Viburnum Placatum, Double Japan Snowball, 3 ft. ....	15c. "	1,800 Deutzia Crenata, 5 to 10 ft. ....	10c. "
1,500 Althaea, 1 to 1 1/2 ft. ....	10c. "	300 " Fortunei, 5 to 10 ft. ....	10c. "
500 " Carnation Striped, 5 to 8 ft. ....	10c. "	500 " Pride of Rochester, 5 to 10 ft. ....	10c. "
500 " Double Purple, 4 to 6 ft. ....	10c. "	200 Weigela Candida, 4 to 8 ft. ....	10c. "
2,500 Honeysuckle Halliana, 3 yr. ....	8c. "	200 American Ivy, 3 yr. ....	8c. "
2,000 " " 5 yr. ....	12c. "	1,500 Spiraea Van Houttei, 4 to 6 ft. ....	8c. "
3,000 " Chinese Swt Scented, 3 yr. ....	8c. "	800 " Reevesii, 4 to 6 ft. ....	7c. "
500 " Golden, 5 yr. ....	12c. "	700 " Billardi, 4 to 6 ft. ....	7c. "
75 " Chapmanii, 4 to 5 ft. ....	12c. "	250 " Callosa Superba, 2 1/2 to 3 ft. ....	6c. "
250 " Tartarian, Pink, 3 to 4 ft. ....	7c. "	300 " Alba, 4 to 6 ft. ....	7c. "
200 " " 2 to 3 ft. ....	6c. "	250 Clematis Stans, 2 to 3 ft. ....	6c. "
500 " " Red, 3 to 4 ft. ....	7c. "	350 Mock Orange, 4 ft. ....	7c. "
250 " " 2 to 3 ft. ....	6c. "	500 Tamarix, 4 to 6 ft. ....	7c. "
500 " " White, 3 to 4 ft. ....	7c. "	500 Rose Pride of Washington, on own roots, 6 yr. ....	12c. "
400 " " 2 to 3 ft. ....	6c. "		

Above prices net. Additional charge for packing.

Usual terms and time to those known to us. Packing at cost. This is a tempting offer and should not be neglected. Everything away below cost of production. Most of it less than half regular prices.

At these sacrifice figures the stock totals up to \$3272.00. Would entertain a still further sacrifice on an offer for the whole lot. Make me an offer!

**RED ROSE FARMS and NURSERIES**  
GEORGE C. WATSON, Trustee, 839 Market St., PHILADELPHIA

## JOHN WATERER & SON, Ltd.

American Nursery

Bagshot, England

Are Specialists in the

## REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

**EVERGREENS** for early Fall planting: **HARDY RHODODENDRONS** per thousand. All other fine **SHRUBS, TREES, VINES, PERENNIAL PLANTS and FRUITS.** Complete assortments: Careful grading: Low prices.

**AMERICAN NURSERY COMPANY,**  
Sales Department, - - - 150 BROADWAY, NEW YORK CITY.  
**BLOODGOOD NURSERIES DEPT.,** Flushing, Long Island.  
**F. & F. NURSERIES DEPT.,** - - Springfield, New Jersey.

## HERBACEOUS PERENNIALS HARDY ORNAMENTAL TREES

Order Now for Fall Planting  
**THE BAY STATE NURSERIES,**

**EVERGREENS, SHRUBS, VINES, ROSES, Etc.**

Largest Variety in New England

Catalogue Free

North Abington, Mass.

## ROSES

A SPECIALTY

The Dingee & Conard Co. West Grove PA.

Hardy Rhododendrons, Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our **HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK,** 216 Jane St. Weehawken Heights P. O. No. 1, Hoboken, N. J.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction **HORTICULTURAL PRODUCTS** of every description.

Consignments Received. Surplus Stock Converted.  
62 Vesey St., NEW YORK

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

**The E. G. HILL CO.,** Richmond, Ind

## Horticulture at the Franco-British Exhibition

### IV.

#### THE ENGLISH GARDEN AND OTHER ENGLISH EXHIBITS.

In a rather out-of-the-way corner in the official plan will be found a spot marked "The English Garden." So far as English horticulture is concerned it may be said to be conspicuous by its absence, for the large space consists of practically little else than a wide expanse of grass leading up to a huge painted canvas on which is depicted an English country landscape. It is evident that the English nurserymen have preferred to display their products in other parts of the Exhibition grounds and they are dotted about here and there in various places.

The only pretension to gardening in the so-called English garden is to be found in the extreme far end and belongs to an old Tudor House typical of the style of English architecture in those days. It is a fine old house and has a little bit of front and side garden enclosed within a wooden fence and a clipped hedge of yew. There is a grass lawn with a few clipped yews and some beds with box edgings. A stone path leads up to the front door and on each side a border contains sweet williams, stocks, nasturtiums, fuchsias, canterbury bells, sunflowers, asters, zinnias, phlox and other things that may be seen in any of our old English cottage gardens. There is a sundial, and some yews clipped in the form of birds, the whole being designed and laid out by J. Cheal & Sons of Crawley.

Close by is the Daily Mirror Cottage, distinguished by its grass plots, borders, beehive and other rustic surroundings, a few old-fashioned flowers, box and other shrubs. This completes the whole of what is termed the English garden. We therefore push our way further along and reach the Colonial Avenue where just against the wall of the Machinery Hall British Section we find an exhibit by Carter, Page & Co. of London. It is chiefly of dahlias not yet in flower with an edging of *Viola* Ardwell Gem and an inner row of Cox's semi-dwarf antirrhinums of all colors. *Violas*, Blue Duchess and Primrose Dame are also used along part of the front of this exhibit. The show by this firm is about 90 feet long by 24 feet deep and on the extreme right the edging is composed of *Viola* Councillor Waters, V. Blue Gown and Cox's semi-dwarf *Antirrhinum* White Queen.

Alongside the huge palace devoted to the products of Canada there is a large grass lawn broken only in the middle by a path leading to the side entrance. A fine piece of carpet bedding is here seen being composed of two enormous scroll-like beds with the word "Canada" boldly and tastefully designed. A repetition of the design is on the other side the whole being executed by J. Carter & Sons.

Around the walls of the Australian palace are also grass lawns cut up here and there by beds of different sizes and shapes planted by Jas. Veitch & Sons. *Rhododendrons* are the principal occupants of these beds,

but at the time of our visit were past their flowering season, and nothing but the edgings were in bloom.

The well-known house of Henry Cannell & Son fill a space at the entrance to the New Zealand Pavilion. In four neatly arranged but moderately sized beds edged with about a foot of turf they show palms, ferns and other decorative subjects. In one of these are *Nicotiana glauca*, *Cannas* and a *Begonia* edging. A bed of cactus, etc., comprises *Aloe serra*, *A. arborea*, *Cereus Peruvianus*, *Agave Queen Victoria*, *Opuntia Missouriensis*, *O. Engelmanni*, *Cereus acidus*, *Aloe plicabilis*, *Opuntia hirsuta* and *Yucca draconis* which excite no little attention on the part of the visitors.

There may be other exhibits from other English nurserymen scattered over the show but up to the time of writing we have not been able to discover them.

Chasman Payne

## Chrysanthemum Golden Glow

An introduction of this year, this variety is going to prove a decided acquisition especially for the private garden. Commercially it is just a little too early to be a money maker as it flowers at a time when out door stock is plentiful and the demand for flowers even in a good season is at the lowest ebb. With us the first flowers were ready for cutting August 10th. These were from buds taken about July 1st. At date of writing, September 20th, the last flowers are at their best. These are from terminal buds taken end of July. This is a very satisfactory variety in regard to buds as the flowers come full and free from any bud the color always being a bright clear yellow.

Regarding size of flower, we made no attempt to grow specimen blooms, but under ordinary bench culture and planted nine inches apart the majority of the blooms measured six inches in diameter. We had a little trouble with burning where the blooms were exposed to full sunlight but where shade was provided this trouble was obviated.

I see no reason why this should not be a first-class subject for outdoor culture where it would be a welcome addition for cutting purposes. If the sun proved too much for blooms when fully open it would not be a hard matter to provide shade, but it is doubtful if, when grown in the open air, the sunlight would have the same effect on the color as when grown under glass as the outdoor conditions would produce firmer growth and the flowers in all probability would lack that softness which tends to burning. No doubt this variety will be more generally grown another season and its qualities and qualifications more fully tried.

We think there are great possibilities ahead of Golden Glow and look on it as the forerunner of a new race which will extend the chrysanthemum season from July to the flowering time of existing varieties.

Elmsford, N. Y. Wm Scott

# HORTICULTURE

VOL. VIII

OCTOBER 10, 1908

NO. 15

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

Page

COVER ILLUSTRATION—New Show Dahlia "Dreer's White."	
HORTICULTURE AT THE FRANCO-BRITISH EXHIBITION—C. Harman Payne.	473
CHRYSANTHEMUM GOLDEN GLOW—William Scott	473
ROSE MRS. JARDINE—Louis J. Reuter—Illustrated	475
THE NATIONAL FLOWER SHOW	475
NEWS OF THE CLUBS AND SOCIETIES:	
Florists' Club of Washington—Chrysanthemum Society of America—Florists' Club of Philadelphia—Elberon Horticultural Society—Chicago Florists' Club—Massachusetts Horticultural Society—Club and Society Notes.	476
Officers of the Minnesota State Florists' Association—Illustrated	477
Coming Events	477
A RHODE ISLAND INDUSTRY	478
TENDENCIES IN MODERN LANDSCAPE GARDENING—Translated from Moller's.	479
SCALE OF POINTS FOR FLORAL ARRANGEMENTS	479
PITTSBURGH'S CELEBRATION—Illustrated	480
OBITUARY—George Nicholson. Portrait—Charles Weisbecker—William D. O'Connell—H. R. Akers Galvin—Gordon Wolf—Julius Schoelner—A Sad Fatality	481
SEED TRADE	484
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit, Indianapolis, Philadelphia, Pittsburgh, Washington.	489
New York	491
MISCELLANEOUS:	
Fairs and Neighborhood Shows.	477
An Honor Well Won.	477
Mt. Kisco Fair	477
An Amherst Show Place	477
"Texas Heath" as a Florists' Flower—Illustrated	478
Catalogues Received	478
Plant Imports	479
Some More Nonsense	480
Incorporated	481
News Notes	482-487
A New Cut Flower Market.	482
A Useful Device	482
Patents Granted	482
New Freight Schedule from Japan	485
Business Changes	486
Steamer Departures	486
Personal	487
New Retail Flower Stores	487
Fall Openings	487
A Department Store Opening	487
Chicago Plant Market	489
Greenhouses Building or Contemplated	498

given hurriedly but on after-consideration our suspicions were aroused and we started an investigation which resulted in our bringing the circumstances to the attention of the Post Office Inspector at New York and the detention of all the mail addressed to Henry in response to his advertising in our columns and in those of a contemporary which had declined to join with us in the investigation. Later, all the mail, some of it containing money, was returned to the writers and thus a swindle was nipped in the bud. We are inclined to the belief that Henry is the same party who worked a similar game last winter under the name of J. Lambert with address at 150 Nassau Street, New York City. If any of our readers can give us any information that will lead to the apprehension of the rascal we shall be duly grateful.

### A better mercantile system needed

While on the subject of shady business operations we might, with propriety, call attention to certain other practices which have been the cause of great annoyance from time to time to reputable dealers. There are parties who seem to be in the habit of giving orders for goods, import orders generally, and then after the goods have been shipped to their address and recall is out of the question cancelling the order with or without explanation. The proper course for the dealer to pursue in such cases is obvious but, unfortunately, methods of procedure which have long been the rule in mercantile affairs generally are but scantily observed in commercial horticulture and irregularities such as the above mentioned, the giving of overdrawn checks, non-payment of notes, dishonoring of sight drafts and similar lapses which other lines of business would not tolerate, are often condoned and overlooked until our credit system, or rather lack of system, has become such that the average buyer pays his accounts at his own convenience and doesn't always take kindly to any insistence otherwise.

### Credit control

So strongly entrenched had the lax methods in credit-giving become in New York, as well as elsewhere, that when the wholesale flower dealers got together last winter and announced their agreement on a definite limit for settlements to which all buyers must conform in the future the scheme was derided by many as an impracticability. Had not the wholesalers been driven to desperate action by the untenable position in which they found themselves it is a question whether the necessary joint-courage would have been forthcoming but necessity is an all-powerful incentive and in this instance led on to a course of action which is now acknowledged to have been one of the best reforms ever sprung upon the florist trade. And, it may be added, the retail trade have accepted the situation and met their imperative obligations in a manner greatly to their credit, thus demonstrating how deep-rooted abuses and assumed impossibilities may be overcome by determined action. Other interests will do well to emulate the example which the New York wholesalers have set. Shorter and more carefully considered credits will be better for all concerned. The retailers, especially as the initial collectors of all the money which must pass through their hands to wholesalers and supply dealers and thence to manufacturers and producers, have plenty of room for reform in their own method of collection from society patrons. Here, indeed, lies the foundation of most of the trouble.

In our issue of September 5 there appeared an advertisement in the name of J. H. Henry, 1157 Myrtle Ave., Brooklyn, N. Y. The order for same had reached us late and one insertion was

A swindle  
which miscarried

## Rose Mrs. Jardine

The behavior of this variety thus far leads one to think that we may expect another permanent acquisition to our list of forcing roses. The bloom, while not exceedingly large, is of very good substance and a pleasing color. It also has a delicious fragrance which will make friends for it. Judging from the results last season wherever this variety was exhibited, we would say that the keeping qualities were good. This was especially noticeable in a vase of excellent blooms shown before the American Carnation Society last January in Washington.

The growth of the plant is very clean, sturdy and vigorous. The foliage is large, of good color, and thus far it has been found not to be subject, to any extent, to black spot and seems to be practically proof against mildew. The blooms are borne on long stiff stems and with the well-colored heavy foliage which the well-colored heavy foliage which is natural to this variety a finished bloom leaves little to be asked for. In productiveness, judging from what we can see thus far this year, we would say that it is equal to Bride or Bridesmaid and we would expect to get a larger percentage of blooms with strong stems than could be expected from the two old favorites mentioned.

The lively salmon pink color of the blooms has won already the favor of the buying public, as there has been no rose offered which could readily fill the place which Jardine is bound to take. As a summer rose it hardly seems possible now that this variety will be used to any extent as the strong sun bleaches the color too much,



but when the cooler days and nights come along it soon comes back to its natural shading which is very beautiful.

There seems to be no particular difficulty in treating this rose as it makes a quick, heavy growth and takes a great deal of water and feed in a way which proves its willingness to grow. When pinching back before allowing to bloom, the shoots should be stopped well back, especially the heavy bottom breaks, otherwise there will result a short growth from these upper eyes.

*Louis J. Peuter*

## The National Flower Show

Less than four weeks from the time this issue of **Horticulture** reaches its subscribers remain before the opening of this stupendous enterprise about which so much has been said during the past three years. We hope the florists and gardeners of America will rise to the occasion and show to the world that all the planning and discussing has been to some effect and that they are not backward in doing

their part toward a creditable realization of all that has been hoped for and promised for this project which, if well carried out, will mean so much for the prosperity of every branch of horticultural industry. The schedule is generous, the opportunity for honor and fame unprecedented in this country and if you have anything in plant or flower in which you take pride, either take it or send it to Chicago and let the world know about it.





## COMING EVENTS.

Boston, Mass., Massachusetts Horticultural Society, exhibition of fruits and vegetables, Oct. 10, 11; Chrysanthemum show, Nov. 6, 7, 8, 9.

Menlo Park, Calif., Menlo Park Horticultural Society, exhibition, Oct. 15.

San Rafael, Calif.—Marin County Horticultural Society, flower show, Oct. 17.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November 3-6.

Hartford, Conn., Connecticut Horticultural Society, chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Shreveport, La., State Fair, November 3, 4, 5.

Worcester, Mass., Worcester County Horticultural Society, annual meeting, Nov. 4; chrysanthemum show, Nov. 12.

Red Bank, N. J., Monmouth County Horticultural Society, show, Nov. 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, Oct. 14, Dahlia show; show, Nov. 5, 6.

Red Bank, N. J., Monmouth Horticultural Society and Elberon Horticultural Society, joint chrysanthemum show, November 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

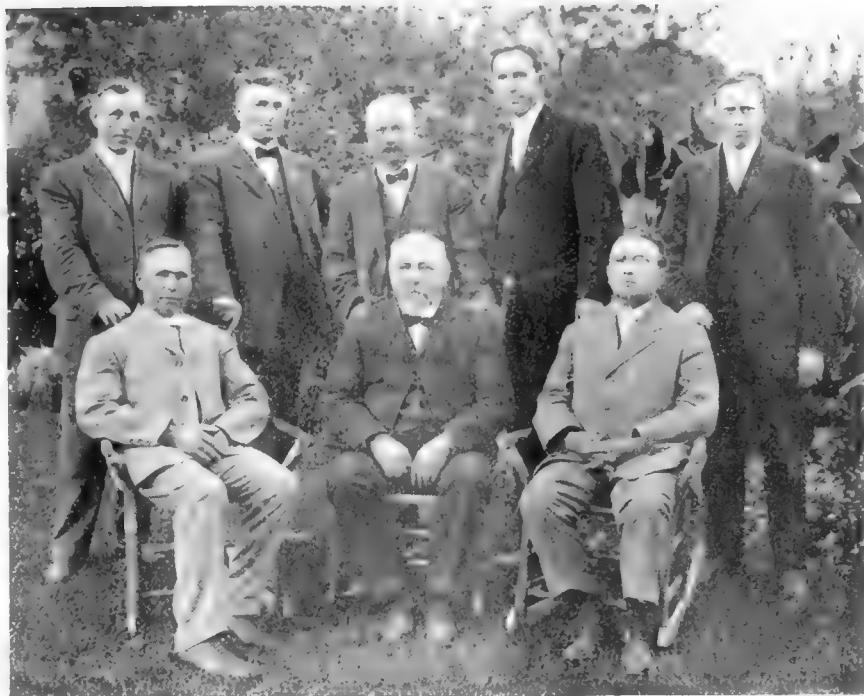
New York, N. Y., American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

## OFFICERS OF THE MINNESOTA STATE FLORISTS' ASS'N.



From left to right: Back row—J. Souden, O. J. Olson, Theo. Wirth, O. A. Will, J. P. Jorgenson.  
Front row—A. S. Swanson, E. Nagel, S. D. Lyngner.

We present herewith a group picture of the officers of the Minnesota State Florists' Association. This Association was incorporated last month under the laws of the State and meets on the third Tuesday of each month at

8 p. m. in Columbia Hall, 1929 University avenue, St. Paul.

All persons professionally engaged in floriculture or horticulture are eligible for membership. It is earnestly hoped that all persons in the trade in the State will join the Association.

## FAIRS AND NEIGHBORHOOD SHOWS.

W. P. Lothrop, E. Bridgewater, dahlias, R. A. Amend, Danvers, dahlias, T. H. Chivers, Newburyport, cannas, were among the prize winners at the Amesbury, Mass., fair which closed October 1.

At the Brockton, Mass., fair, which is the mecca for all pleasure-seekers, R. & J. Farquhar Co. showed the possibilities of the dahlia in decorative work with a fine representation of the Old Mill at Newport, using 15,000 dahlias in the design. W. D. Hathaway, J. K. Alexander, W. P. Lothrop, G. A. Walker, W. F. Turner and Mrs. H. A. Jahn had large dahlia exhibits. A certificate of merit was awarded Waban Rose Conservatories for rose White Killarney. H. E. Barrows, Lively & Bond and E. L. Dwyer had attractive displays.

A flower parade in which over a thousand children participated, was a feature of the annual fall festival at Salt Lake City, Utah, and so well was it carried out that it promises to be repeated in future festivals.

## AN HONOR WELL-WON.

E. G. Hill, of Richmond, Indiana, has just received a cable from Secretary Forestier, of France, announcing the awarding of the Grand Prize, the Gold Medal of the Municipality, to the Rhea Reid as being the premier variety among some 84 sorts entered in the International Contest.

## MOUNT KISCO FAIR.

This fair, which was held on Friday and Saturday, Sept. 25 and 26, was very successful, and although there was practically no showing of florists' plants or flowers, the trade was well represented in the visitors, especially in the seedsmen's section. The show was held under large tents and in the vegetable and fruit classes was very fine, the classes being well filled and competition keen. The floral display consisted mainly of hardy herbaceous plants. Wm. Scott, Geo. D. Hale and W. C. Rickards served as judges.

## AN AMHERST SHOW PLACE.

A notable improvement has been made this year on the estate of E. F. Donald, Amherst, Mass., under the management of head gardener Thomas Foulds. Shrubbery borders have been planted and a formal garden laid out and planted with choice herbs, perennials, which in association with a variety of annuals made a most admirable display throughout the season and attracted many visitors. Other improvements are following, notably in the laying out of the vegetable garden and its accessories in small plots. Thomas Foulds, head gardener on this estate, acted as judge for the horticultural department of the Three Centuries Fair, at Northampton, Mass., Oct. 7 and 8.

### A RHODE ISLAND INDUSTRY.

We treated ourselves a few days ago to a trip to Auburn, R. I., where is located one of the largest rose-growing establishments in New England, that of J. Budlong & Sons Co., and where we had heard there was something worth seeing in the line of rose culture under glass under the manipulation of our old Boston celebrity, John Pritchard.

It is certainly a big place. A creek divides it into two sections, one of which is devoted largely to carnations with a block of about 20,000 roses, and the other is entirely in roses. It is the last mentioned which is under Mr. Pritchard's care and which concerns us at the present time. With the exception of a large grafting house which is utilized for Kaiserins in summer time, this range consists mainly of six modern houses each 700 ft. in length, covering about 140,000 sq ft., and sheltering about 50,000 plants, principally Bride, Bridesmaid, Killarney and Richmond with experimental blocks of recently introduced novelties, and we do not hesitate to say to any one wishing to observe the maximum possibilities with the varieties named that he cannot do better than take a trip to Auburn, and that he will find the time and expense a good investment, no matter how far he may have to travel to get there. A record of forty flowers per plant for the past year may be quoted as to productiveness, and the score card of one house shows an aggregate of 290,000 roses cut for the year. The plants are one, two or three years old, the latter being the limit of best usefulness in Mr. Pritchard's opinion.

The equipment is of the very best, and to this fact must be attributed a portion of the phenomenal results obtained, for no rose grower, however proficient he may be, can be expected to strike a winning gait unless supported by the most liberal and up-to-date policy in regard to equipment. There are four manure tanks of 4000 gallons capacity each in constant use, and pumping apparatus capable of keeping fifteen men at work at the same time distributing liquid manure through 3-4 in. hose. The roses are planted in solid beds, shallow benches having been discarded as producing inferior results.

One most important feature of Mr. Pritchard's tactics is the cutting back of the plants so as to produce successive crops. Each house is thus manipulated in four or five sections so as to have a rotation of crops and avoid swamping the market at any period. The cutting back is done though the summer at intervals of about two weeks. Wood is trimmed down to about three eyes regardless of whether a present crop of flowers is sacrificed or not. It is now discontinued and the different sections are moving along in order with clock-like regularity, but by springtime will have gradually drawn closer and closer until they are practically together again. In cutting flowers from now on, several eyes are always left. Mr. Pritchard doesn't believe in sacrificing wood at this time of the year.

In addition to the regular men in the house, a number of girls are constantly employed picking up dead

### "TEXAS HEATH" AS A FLORISTS' FLOWER.



*Physostegia Virginica* var. *grandiflora*, popularly known in the flower markets as "Texas Heath," has achieved some little recognition the past season among the Boston florists and has also made its entry into the New York and several other markets. The best success with it is when it has been grown to single, rather slender stems, instead of the big, some-

what coarse heads that it produces when allowed to grow naturally, especially in a rich soil. It "makes up" very prettily in wreath form as the picture shows. The engraving is from a photograph of wreath and vase exhibited at the fall show of the Mass. Horticultural Society in Boston, September 11-13, by F. W. Fletcher Company.

leaves and keeping the beds always clean. One of their duties is to follow the men cutting the flowers and carry the blooms as they are handed to them one by one. When an armful has been gathered the girl carries them to the cooling room, where they are at once placed in jars of water. The freedom of action thus given the cutter and the careful handling of foliage and flower make a material difference in the appearance of the blooms when marketed. Steam has been turned on these houses every night during the summer regardless of outside temperature. Mr. Pritchard has one bench of Killarney with canes bent down as an experiment, and they are breaking handsomely. Most of the new roses are being tried, and Mrs. Jardine, Queen Beatrice and My Maryland look especially promising. Enchantress is the favorite variety in the carnation section. While all look elegant, the palm at present must be given to one house of Enchantress planted last June with plants direct from the pots.

On the evening of October 4 a disas-

trous fire destroyed a large barn with 47 horses and much hay, the loss amounting to about \$30,000.

### CATALOGUES RECEIVED.

American Nursery Company, New York.—Folder of special offers of fine trees and hardy shrubs for fall, 1908.

S. S. Pennock-Meehan Co., Philadelphia.—Illustrated folder of the new forcing rose White Killarney "The Waban Variety," new carnation O. P. Bassett and other plants.

A credit to the wholesale supply trade is the superb catalogue just issued by the S. S. Pennock-Meehan Co., Philadelphia. Ribbons and fine fancy fabrics of many weaves have been given the premier position in this profusely illustrated book and bring one to an almost startling realization of the enormous growth of this branch of the florists supply business within a few years. Every wide-awake florist will want a copy.

## TENDENCIES IN MODERN LANDSCAPE-GARDENING.

By City Landscape-Gardener Helcke, Frankfurt, A. M., Germany.

(Translated from Moller's, by G. Bleicken.)

In landscape gardening we are living in a time of lively evolution. Also in other fields of art the agitation is going on and it is especially in architecture that it is thought a new style, appropriate to our own times, has been found. But what we see is not a new and unique style, as the gothic and other historic styles of building were, but rather as many modern architects, just as many styles and schools exist.

On the other hand, we find the modern artists all united in opinion as soon as the question of the formation of the garden arises; united especially in a preference for strictly regular forms of contour and planting and united in condemnation of what has in the course of time come to be known as "naturalistic landscape-gardening."

Some of these formal gardens approach the more modern English gardens which, in their turn, rest on the revival of forms that flourished before the adoption of the naturalistic garden style; some derive their form from the German "Empire-time" (Biedermeierzeit), and others tie to the Italian renaissance or wherever any other regular garden motive is found. Even, surprising at it may appear, Japan, the land of bizarre irregularities in gardening, seems to play its part in formal styles; for, if we study the works on Japanese landscape-gardening, we encounter very often forms in enclosures, walls, etc., which do not impress us in any way as foreign, because in the modern artistic gardens we come upon them repeatedly.

### Modern Garden Artists Unfamiliar with Their Subject.

As I stated before, it is particularly interesting to notice that with all the diversity of opinion which exists as to what is called modern architectural style, we find among the modern artists only unanimity of opinion as soon as the field of modern gardening is discussed. I think this very good evidence that they are far from understanding their subject; entering a field in which they are as yet strangers, they prefer those lines with which they are familiar through their training as architects—namely, straight lines—therefore their preference for strict regularity and rectangularity and the rigid exclusion of anything approaching naturalistic lines in landscape work.

Although it is true that most of my associates in the profession are not backward in their disapproval of this one-sided revival of old gardening forms, nevertheless we must also take every opportunity to call attention to the regrettable conditions existing to-day, and the barrenness of ideas which has produced a mechanical process of landscape working of the very worst sort.

We acknowledge that help here is very necessary, and we cordially greet the interest of the artist in the garden because we hope for substantial advancement from their co-operation. I have warned, time and again, against making the mistake of resenting all criticism and advice from non-professional sources especially of artist

critics. I know that in our own professional circles modern essays concerning the art of landscape gardening and related fields pass almost entirely unnoticed.

### A Fallacious System.

The principal argument of modern artists against the naturalistic landscape style is that it is a mistake to try to imitate nature with all her contingencies, inconsistencies and unimportant secondary features in a garden. Therefore should we avoid all naturalness in a garden, and show rather through the form in the garden that it is human work, which requires that regular and rectangular lines should prevail; only in such way would a reasonable human being create. These sentiments, repeatedly expressed in some form or another by all artists of reform in landscape-gardening, contain as many mistakes as they do words, and not much cleverness is needed to prove this. If man should cease to strive after goals, which he never can wholly reach, then would the outlook be bad for progress.

### A Weak Fad.

Really, I believe the use of exclusively rectangular forms in the base line of modern garden-artists to be genuine weakness, and in fact a very deplorable weakness. If we for once prefer a regular laying out, there is no good reason why we should not use, at least, the lines of the circle (of course I do not think now of any special curve, but simply any curve), yet even those circular lines, forming a picture of strictest regularity, are not in use. Why, then, shall we not characterize it as a mode or fad of these artists? Corners are modern fashion, as not long ago curved lines were modern fashion. For a while they were employed with much enthusiasm, but luckily failed. Today they are the rectangular squares, which are passed out to us by an Obrich, Schulze, Behrens, Lauger, Billing and others; in a few years perhaps some other thing is to be "modern fashion."

(These are the names of artists who have exhibited the so-called "artists' gardens" in the large horticultural exhibitions in recent years in Germany.—Note of the Translator.)

### Misguising the Public.

Such things interest first by their novelty, but they actually mislead, especially when they are presented by otherwise famous artists who might be excused for an occasional extravagance, although they rather should endeavor to avoid this because it is playing with fire; their creations are accepted by the multitude as creations of genius, they are everywhere imitated and made popular, while that which is intrinsic and lasting in the artists' work is hardly recognized or understood.

Of all the indictments which are brought against the artistic correctness and truthfulness of naturalistic landscape methods, this protest that it is really improper to imitate nature seems to me the most noticeable. It shows most plainly that they who voice it have not earnestly taken up the study of the subject which they claim to protest against. They judge the principle only by the exaggerations which they find and, because real pro-

gress for all who are interested in landscape-gardening is only possible through clearness of purpose, it is of the utmost importance to refute false ideas concerning the relations of our work to nature. We can reach a clear understanding of this question only by considering it in its relation to the entire fields of art; because not alone in the art of gardening has this style of argument been made use of, but in all other phases of art, at all times, this same question has been discussed, assailed and defended.

## SCALE OF POINTS FOR FLORAL ARRANGEMENTS.

Referring to the query from the secretary of the Minnesota State Florists' Association which appeared on page 411, issue of September 25, Mr. W. F. Gude of Washington, D. C., who has had an extended experience in the way of public exhibitions, suggests the following as a good scale of points for use in judging floral design work:

1 Style of design.....	10 points
2 Selection of flowers used.....	15 "
3 Blending of colors.....	25 "
4 Arrangement .....	50 "
	100

At the big Kansas City shows where decorative work was made a leading feature the following scales of points were in effect.

### Mantel Decorations.

1 Quality and artistic arrangement of flowers.....	50 points
2 General effect of whole.....	50 "
	100 "

### Table Decorations.

1 Flowers and their arrangement .....	50 points
2 Non-interference of sight or convenience .....	20 "
3 Arrangement of napery and table ware .....	20 "
4 General effect of whole.....	10 "
	100 "

## PLANT IMPORTS.

Entered at New York, Sept. 30 to Oct. 6—From Holland: C. C. Abel & Co., 59 cs. bulbs; Wm. Elliott & Sons, 36 cs. do., 2 cs. plants; Fruit Auction Co., 3 cs. plants; A. W. Fenton, Jr., 1 cs. bulbs; Henry & Lee, 7 cs. plants; J. V. Hampton, Jr., & Co., 47 cs. bulbs, 2 cs. plants; A. F. Lang, 5 cs. flower roots; McHutchison & Co., 2 cs. bulbs, 31 cs. plants; Maltus & Ware, 40 cs. bulbs, 39 cs. plants; J. O. McDonald, 1 cs. bulbs; Marius Mutillod, 17 cs. plants; P. Ouwerkerk, 36 cs. trees; J. M. Thorburn & Co., 4 cs. plants; Vaughan's Seed Store, 6 cs. plants; T. D. Crosby Co., 71 bags garden seed; A. Gips, 62 bags do.; Sundry Forwarders, 50 cs. bulbs, 19 cs. plants, 7 cs. trees.

From Marseilles: To order, 80 cs. plants, 20 cs. bulbs.

Via Southampton: P. Henderson & Co., 8 cs. mushroom spawn; O. G. Hempstead & Sons, 15 cs. plants; Hussa & Co., 9 cs. plants.

From Belgium: H. Bishoff & Co., 14 cs. plants; H. F. Darrow, 61 cs. do.; Hussa & Co., 3 cs. do.; McHutchison & Co., 93 cs. do.; Maltus & Ware, 368 pgs. do., etc.; Ch. F. Meyer, 131 cs. plants; T. H. Petry & Co., 64 cs. do.; J. Roehrs & Co., 40 cs. do.; August Rolker & Sons, 55 cs. do., 12 tubs laurel trees; Ralph M. Ward & Co., 56 cs. plants, 2 tubs laurel trees; E. P. Wilson, 7 cs. plants.

## A WONDERFUL NEW NEPHROLEPIS

## Nephrolepis Superbissima

INTRODUCTION OF 1908

**W**E desire to call attention to this new fern, which originated with us and which we are introducing this year. It is a **very unique and distinct novelty** — as distinct from *Nephrolepis Piersoni* and *Piersoni elegantissima* as they were from *Bostoniensis*. It is in fact a complete break. The fronds are very heavily imbricated, the pinnae overlapping, making the fronds very dense and compact.

It differs from the other *Nephrolepis* not only in form, but also in color, being a **richer and darker green** — entirely different from the yellowish green of all the other *Nephrolepis*. The plant is very sturdy in its habit, the fronds never breaking down.

While a photograph shows a similarity to its predecessors, it is absolutely distinct, not only in the formation of the fronds and color, but also in its habit and general characteristics. It makes a much more dwarf and compact growth, the fronds being very dense, firm and rigid, and having a great deal more substance, so that it **will stand more knocking around than any other fern of this type**.

It is a sterling novelty. Experts who have seen it consider it by far **the best fern ever sent out**. It is a plant that needs to be seen to have its great value and sterling qualities appreciated. It really is not in the same class with the other varieties. It was awarded a

## ... FIRST-CLASS CERTIFICATE ...

by the Royal Horticultural society at Crystal Palace in London, November, 1907, the plants exhibited there having been shipped from New York two weeks before that time. After being exhibited in London, the same plants were shipped to Edinburgh, Scotland, where they were again awarded a first-class certificate by the Scottish Horticultural Society. This will indicate the value of the plant as a novelty, and also demonstrates in a very conclusive manner its fine keeping and shipping qualities. We have just begun shipping advance orders, and new orders can now be shipped immediately on receipt.

Fine, strong plants, 2 1/4 inch pots, \$5 per dozen, \$35 per 100; 4 inch pots, \$7.50 per dozen, \$50 per 100; 6 inch pots, \$1.50 each, \$15 per dozen.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

## SOME MORE NONSENSE.

The Minneapolis Journal, Sept. 20th, is responsible for the following:

Harry Taylor, renowned horticulturist and landscape gardener, the man whom Thomas Lawson made the guardian of the \$100,000 Lawson pink, will spend the next ten days in the Ramsey county workhouse in St. Paul. He was sentenced yesterday by Judge Hugo Harft of the St. Paul municipal court after conviction on a charge of drunkenness.

Taylor has made important literary contributions to the horticultural periodicals of the country. At the time Thomas Lawson purchased the famous Lawson pink Taylor was head gardener at the Lawson estate near Framingham, Massachusetts. During his long career he has been traveling in the United States, and has introduced many new species of plants into the country. He was employed by him during the last twenty-five years. Taylor resigned his position after Mrs. Thomas Lawson's death.

The Minneapolis Journal has been humbugged either by a lunatic or a liar. Mr. Lawson made nobody guardian of the Lawson pink. Its custody was entirely with Peter Fisher, its originator, until it was disseminated. Thomas F. Kelly, who was a prime mover in the sensational sale of the carnation, authorized us to say that the above quoted story is a take from first to last. There is no Harry Taylor, "renowned" or otherwise known to Massachusetts florists in connection with Lawson's or any other country place in this section or with any horticultural periodical.

Dr. N. L. Britton of the New York Botanical Garden has returned recently from an exploring trip in the island of Jamaica. The tour was quite successful and a number of new species besides many plants, seeds and herbarium species have been added to the collection of West India flora.

## PITTSBURGH'S CELEBRATION.



Our illustration shows the float representing the florists of Greater Pittsburgh that participated in the Sesqui-Centennial (Greater Pittsburgh Day Parade) Thursday, Oct. 1. This float was doubly appreciated by the public because the hundred or more other ones, many very costly and of allegoric character, lacked the natural sentiment. The work was the combined efforts of Messrs. Walter Breitenstein, T. P. Langhans, A. W. Smith, Jr., Samuel McClements and J. W. Ludwig. It represented an Indian maiden in her birch-bark canoe paddling from a stream of the wilderness into the present stream of progressiveness. The rear of the float was constructed of

fall foliage and hydrangeas; the large bouquet contained about 700 Perle de Jaspé roses; the horses were covered with yellow silk over which was a black net with heavy gold fringe. The postilions wore the costume of Father Pitt, yellow and black being the festive colors. The entire scheme was carried out in these colors and a very rich and handsome effect was obtained.

The florists, during the week, arranged their windows and displays to suit the occasion. Special mention may be made of display of dahlias at Mrs. E. H. Williams down-town store. The Department of Public Works also took part in the pageant, and Supt. Geo. Burke received many compliments on the float representing the Park system.



## Obituary

George Nicholson.

Every American gardener will learn with sadness of the death of George Nicholson whose Dictionary of Gardening has undoubtedly a wider dissemination among American horticulturists than any other work of like character. We quote from the *Gardeners' Chronicle* the following notes on the death of Mr. Nicholson:

We regret to have to record the sad death of Mr. G. Nicholson, F. L. S., V. M. H., on Sunday, the 20th inst. His retirement from the curatorship of Kew in July, 1901, in consequence of heart disease, brought on, it is to be feared, by mountain climbing in Switzerland in search of plants, was distressing to his many friends and a great loss to the establishment with which he had been connected since 1873, when he entered the service in the capacity of assistant to the curator, John Smith II., whom he succeeded in 1886, and it has been said of Nicholson that he was an ideal curator. The son of a Ripon nurseryman, trained in the nurseries of La Motte, Paris, and of Messrs. Low & Co.,



GEORGE NICHOLSON

Clapton, and endowed with exceptional capacity for work and close study, he early developed a fitness for a post where zeal and intelligence were needed, and he found full scope for his gifts at Kew. When he became a member of the staff, Sir Joseph Hooker was deeply engaged in forming the Kew herbarium, and he found in Nicholson an apt assistant. This gave him his opportunity, and he made full use of it, the result being that he soon knew more about living trees and shrubs than any man in Europe, and became the recognized authority on all questions of tree nomenclature. At the same time, Nicholson was not a specialist, for there were very few plants in cultivation with which he was unacquainted. He was a most competent British botanist, knowing native plants as few men ever get to know them. It was almost impossible to entangle him over a plant name; he knew them all so accurately.

Nicholson did much valuable work at Kew. He was a regular contributor to the pages of the *Gardeners' Chronicle*, and his monographs of such genera as *Quercus* and *Acer*, published in these pages, are models of critical study and industry. Whilst he was not a very prolific writer, in all that he wrote he was most conscientious. It was therefore most fortunate for horticulture that he was induced to undertake the editorship of the Dictionary of Gardening, a work which has done more towards standardizing plant names and developing an interest in horticulture than anything published

since Loudon's day. It was his intention had his health permitted, to write a book on hardy trees and shrubs, for which he had collected much information, some of which has, we believe, been utilized by Messrs. Elwes and Henry in their work on the "Trees of Great Britain and Ireland," now in course of publication.

The great charm of George Nicholson was in his conversational gifts, for he was a most entertaining talker, not about plants only, but about most subjects that interest men. He died comparatively young. Born in 1847, sturdy in figure, full of energy and sense of encouragement, Nicholson appeared to be of the type that reach or get beyond the term of four score years. He married when about thirty, but was soon left a widower, with one child, a son, who is now a naval engineer.

Wm. D. O'Connell.

William D. O'Connell, grandson of William Doogue, superintendent of public grounds of Boston, died October 3 in his 17th year. The young man was a leading athlete in the Mechanic Arts High School and was injured in the stomach in a football game two weeks ago which necessitated an operation, which was not successful.

Charles Weisbecker.

Although the flower business was only a minor item in his large market business, Charles Weisbecker, who was killed in an automobile accident at Englewood, N. J., Oct. 4, was a large buyer in the New York flower market and was highly esteemed by the wholesale trade as a business man of the best type.

A Sad Fatality.

The cottage occupied by Robert Cummings, gardener on the estate of W. F. Cochran at Yonkers, N. Y., was destroyed by fire on the morning of Monday, 5th inst., and his wife, aged 45, grandson 9, and grand-daughter 3, were burned to death.

Alvah A. Eaton.

Alvah A. Eaton, a well-known botanist, died at his home in N. Easton, Mass. Mr. Eaton has been employed in the botanical laboratory of Oakes Ames for the past six years, his work being chiefly on orchids.

H. R. Akers.

H. R. Akers, proprietor of the Chatsworth Manufacturing Co., Chatsworth, N. J., died suddenly on September 7. There being no near relatives, his estate is in the hands of the Surrogate Court.

Mrs. Samuel Henshaw.

Mrs. Henshaw, widow of the late Samuel Henshaw, of West New Brighton, N. Y., died in Brooklyn on September 25.

James Galvin.

James Galvin, son of Thomas Galvin, florist of Newport, R. I., died in New York on September 28.

Julius Schoelner.

Julius Schoelner, florist, died at his residence, 76 Watson Ave., Newark, N. J., on October 5.

Gordon Wolf.

Gordon Wolf, proprietor of the Denver Floral Co., Denver, Colo., died on September 11.

## RAMBLER ROSES FOR FORCING

Including *Lady Gay*, *Hiawatha*, *Delight*, *Sweetheart*; two and three year old stock, first quality plants. Also the new famous French rose *The Lyon*, a grand forcing rose; and *Harry Kirk*, the yellow everblooming Tea, novelties of the highest merit.

**M. H. WALSH**

*Rose Specialist*

**WOODS HOLE, MASS.**

## New Red Helenium

*H. Autumnale Superbum Rubrum*

Tall Growing. Fall Flowering.  
Color terra-cotta Red.

First-Class Certificate Class. Horticultural Society.

Fine plants, \$8.00 per 100

**FREDERIC J. REA,**

**NORWOOD, MASS.**

## Forcing Rhubarb and Asparagus

I have 50,000 three-year old Rhubarb roots for this winter's forcing. Also 50,000 two-year old Asparagus roots for forcing. Order now as there is a large demand for these roots for forcing. Florists are buying heavily. We have also 50,000 Peach trees, 500,000 Asparagus roots, 200,000 Strawberry plants, 5,000 Apple trees. All ready now to plant.

**WARREN SHINN'S NURSERY STOCK**  
**Woodstown, N. J.**

## PEONIES

Strong 3 and 5 year old clumps cheap. Ask for wholesale catalogue of ornamental nursery stock.

**SAMUEL C. MOON**

Morrisville Nursery.

MORRISVILLE, PA.

## PALMS

**JOSEPH HEACOCK COMPANY**  
**WYNCOTE, PA.**

For Price List see page 440, Oct. 3rd.

INCORPORATED.

Empire Floral Co., New York; T. J. McGreevy, Jacob Annbacher, Maxwell Lustig; capital, \$25,000.

T. J. King Seed Co., Richmond, Va., T. J. King, president; C. W. King, vice-president; C. W. Winn, secretary and treasurer; J. D. King, D. R. Midyette, J. A. Addison; capital, \$50,000 to \$100,000.



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### NEWS NOTES.

A large delegation from Pittsburg will visit the National Flower Show at Chicago.

A fire of unknown origin recently destroyed the stable of Mrs. M. D. Reimers, Louisville, Ky.; loss \$600.

Andrew L. Yeager, Allentown, Pa., is having built a storeroom 20x30, one story high, of cement block construction.

Fire in the greenhouse of Jonas Brook, Woonsocket, R. I., Sept. 26, damaged the place to the extent of \$1,000.

P. R. Quinlan, Syracuse, N. Y., secured 29 first prizes from a schedule of 31 entries at the State Fair held last week.

Welch Bros. of Boston have secured an agency for the sale of the new rose White Killarney, which is to be disseminated next spring.

The directors of the American Nursery Co., New York, have declared a dividend of 7 per cent., payable October 1 to stock of record September 25.

An overcoat on cold nights is a great comfort for plants as well as for men. Elliott is advertising some cold frame mats in another column and they're cheap.

Anderson & Williams, Waltham, Mass., have made an assignment. It is anticipated that 100 cents on the dollar will be paid as the property now inventories.

Sam. A. Woodrow of New York has contracted with Lehnig & Winnifield, of Hackensack, N. J., to act as their sole agent in the sale of plants during the coming season.

Five tons of bulbs, including narcissus, hyacinth and tulip tubers, have been received for the new government station located at Bellingham, Wash. The work of fall planting is on.

Mrs. C. H. Foreman has taken the management of her late husband's business at Louisiana, Mo., and is erecting new houses on the site of those destroyed by fire in the spring.

The prospectus of the Smith Agricultural School and Northampton School

of Technology is issued. This is a new school located at Northampton, Mass., one feature of which will be the training in agriculture and horticulture. Vacancies exist in the list of teachers in the agricultural and horticultural departments.

Thomas Fuller, of Battle Creek, representing the Fuller Floral Co., Charlotte, Mich., asks that the firm be declared bankrupt. Liabilities are placed at \$1,874.10, assets \$398, on which exemption to the value of \$250 is claimed. An effort will be made to locate the partners whose address is given as Pecos, Texas.

The Reissig Greenhouses at Riverside, Ill., just outside Chicago limits, are nearing completion and are mostly planted to carnations, lilies and chrysanthemums. There are eight modern houses opening into each other, while a house running at right angles saves gables on the west and a smaller house and service shed give protection on the east. A Kroeschell boiler is being installed this week. The plant covers about 150x175 sq. ft.

While Alfred Barhoffer, one of the outside foremen in the landscape department of J. H. Troy, was loading plants on a wagon in front of Elliott's auction rooms on Vesey street, New York, last Saturday, a carelessly driven mail wagon collided with his truck, throwing him out and running over him and inflicting severe injuries to his leg, hip and face, which may confine him to the hospital for months. This will be a case for settlement at Washington probably.

The Grand Rapids Greenhouse Company, Grand Rapids, Mich., at a directors' meeting held September 21 decided its first semi-annual installment of a 6 per cent. dividend on the preferred stock. The company has more than doubled its glass area, having now over a quarter million feet with all the latest equipments. It has recently erected at its plant on Burton avenue a fireproof office building and a large showhouse for palms and decorative plants. N. B. Stover is in charge of this department.

### A NEW CUT FLOWER MARKET.

The Growers' Cut Flower Company has been incorporated and is open for business at 39 West 28th street, New York City. The officers are as follows: President, J. Vonderlinden, Rhinebeck; Vice-president, Henry Weston, Hampstead, L. I.; secretary, G. G. Lang, Rhinebeck; measurer, Mr. Kramer, Farmingdale, L. I. J. J. Coan, who has had charge of the John King Duer store on Madison avenue since it was opened, has been secured as manager for the new wholesale establishment. Business will be conducted on a strictly commission basis.

### A USEFUL DEVICE.

Bassett & Washburn, the Chicago wholesalers, use a wire attachment to their small vases for holding cut chrysanthemums. They are of heavy wire in the form of two rings, the lower one smaller than the upper and connected by upright wires. These are slipped on over the jars by putting the jar inside the wire frame and pulling it up till it fits tight. It has a decided advantage over the large jar for holding chrysanthemums, for it does not injure the foliage by plunging it into deep water and is also much easier to handle.

### PATENTS GRANTED.

- 899,557. Planting Machine. Charles E. Patric, Springfield, Ohio.  
899,605. Wicket Fence or Guard. Abraham L. J. Miller, Newburgh, N. Y.  
899,687. Pruning Implement. Benjamin F. Talley, Wakita, Okla., assignor of one-half to M. B. Ritherford, Wakita, Okla.  
900,056. Fertilizer. Leonard R. Coates, Baltimore, Md., assignor to The American Bacteria-ized Fertilizer Company, a corporation of Maryland.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
2500 3 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 4 " " " 5.25	60 8 " " " 3.00
1300 5 " " " 6.00	
1000 6 " " " 5.00	<b>HAND MADE</b>
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
144 6 " " " 3.16	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Reiker & Sons, Agts., 81 Barclay St., N. Y. City.

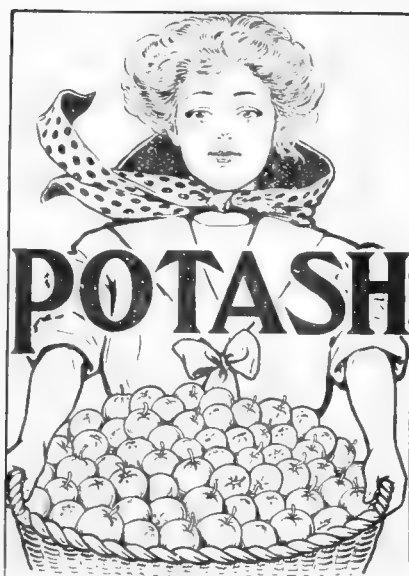
**Standard Flower.. POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.





## PROFITS

may be expected with almost the certainty of interest payments on government bonds, by the use of commercial fertilizer containing from 10 per cent. to 12 per cent. of Potash.

Vigorous woody growth and abundant fruitfulness is assured by the application of Potash.

Send for Free Books on fertilizing, prepared by practical experts, filled with valuable information, clearly told.

**GERMAN KALI WORKS**  
93 Nassau Street, New York

Chicago - Monadnock Building  
Atlanta, Ga. 1224 Candler Building

Address office nearest you.

**WIZARD BRAND** MANURE  
PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE



Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.

Best and safest manure for florists' and greenhouse use.

**Absolutely Pure  
No Waste  
No Danger**

Write for literature and quantity prices.

**THE PULVERIZED MANURE CO.**

31 Exchange Ave., Union Stock Yards, Chicago

**SHEEP MANURE**

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**  
CLIFTON, N. J.

## Seed Trade

One of the large jobbing houses has been quoting standard varieties of cucumber seed at 50 and 60c., the latter price for Long Green. A sale of 500 lbs. was made at 50c. some weeks ago as chronicled in HORTICULTURE at the time, but the more recent quotation has resulted in the sale of several thousands of pounds 75c. and \$1.00 have been the prices which most wholesalers have thought about the right figures for standard varieties, and the firm in question, one of the largest in this country, would seem to have larger reserves than generally supposed; but while usually remarkably well informed as to crop conditions, they have on several occasions quoted initial prices away below a fair value. Such may be the case now, but the writer is inclined to believe that there has been an unwarranted flight over the shortage.

When reports first came of the practical failure of the cucumber seed crops in Nebraska, coupled with heavy shortages in other parts of the west, there was well nigh a panic, but as seedsmen have regained their balance and taken stock of the reserves carried over, the situation has looked less black. The eastern crop, which a few weeks ago was an unknown quantity, and generally believed to be very short, has proved much better than expected, and it is going to be quite a factor in determining prices. Those seedsmen who have vine seeds to sell, and are willing to accept a liberal profit even if they do not always draw the last cent, will in the end make more money than those who hang on to their goods to get the top price, as these latter not infrequently hold a little too long and in the end are left "holding the bag" by carrying over much of their seed.

A report which recently appeared to the effect that there would be enough onion seed "of the odd varieties," but that of such varieties as Southport White, Yellow and Red Globe, Yellow Globe Danvers, etc., there would be a shortage—would be amusing were it not misleading, and might result in considerable loss if taken seriously. There is not likely to be much if any surplus of White Globe, Red Wethersfield and Extra Early Red Flat, and possibly White Portugal and Yellow Prize-taker might be added, but to assert that prices will be as high as last year shows lamentable ignorance on the part of the writer, and when he says the same of Yellow Globe Danvers it is ridiculous. If mail order houses are able to draw last year's wholesale prices they may consider themselves fortunate, and particularly on the Yellow Globes. Anyone following the advice quoted is booked for trouble and disappointment.

There is a fine, well-established seed business for sale, not far from New York City. If any one is interested, let him address "Seed Trade Notes," care of "Horticulture." A Paterson, N. J. attorney, is endeavoring to find a purchaser, and his attempt to give information while concealing the identity of the concern reminds one of the proverbial ostrich story about that

## Gold Frame Mats

MADE OF BURLAPS THICKLY  
QUILTED WITH JUTE, WILL  
COVER TWO SASH,

**\$1.25, \$14.00 doz.**

MADE OF STRAW, WILL COVER  
TWO FRAMES,

**\$1.75, \$20.00 doz.**

**W. ELLIOTT & SONS**

42 VESEY STREET, NEW YORK.

## Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**

6 & 7 South Market Street  
BOSTON, MASS.

## Spanish Iris for Forcing

A surplus of extra fine stock in following splendid varieties:

**Count Nassau, Cajanus, Blanche Fleur  
British Queen, Etc.**

Send list of wants for prices

**Hyacinths, Tulips, Narcissus**

and all seasonable stock. Send for Catalogue.

Fresh Tobacco Stems, in Bales of 300 lbs., \$1.50

**W. C. BECKERT, Seedsman**  
North Side, Pittsburg, Pa.

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100,  
\$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

silly bird hiding its head in the sand. It is the writer's understanding that the person with cash can buy the business right, as the present owner for very obvious reasons wishes to sell out, and it is a fine paying business, too.

Many seed houses in New York and elsewhere are in the market for bulbs of various kinds and it now looks as though the conservative course followed in giving import orders for this season's supply would result in a healthy cleaning up of stocks this fall and absence of the unsalable surpluses which made last year's bulb business a disappointment to many.

Some preliminary estimates of deliveries of the 1908 pea seed crop will appear this week or next, and then will there be weeping and wailing and gnashing of teeth; and the poor grower will sigh "for a lodge in some vast wilderness."

The marriage of the grand-daughter of F. W. Bruggerhof of J. M. Thorburn & Co. at Noroton, Conn., on October 7, was a notable society event.

The Braslan Seed Growers' Co., San Jose, Calif., has leased eight hundred acres east of Menlo Park for growing vegetable and flower seeds.

The E. E. Theilmann Seed Co., Erie, Pa., lost \$10,000 in the fire on September 28 which destroyed the Mayer building.

#### NEW FREIGHT SCHEDULE FROM JAPAN.

Freight rates on bulbs, under the new arrangement, have been fixed between Yokohama and New York at 1.50 per hundred on carload lots, 24,000 lbs. is the minimum weight for carload estimate and the rate on any less amount is \$2.00 per 100. The greater part of this charge goes to the overland railroads and the steamship companies regard their share in the rate as insufficient. Importers are also dissatisfied over the advance and a revision of these figures may yet be made. It is now said that arrangements are about completed for through transportation by a new route via the Tehuantepec R. R., Salina Cruz being the Pacific terminal and Puerto Mexico the Atlantic port. Many steamship lines on both sides are interested.

#### Headquarters for Bulbs

Hyaç. Tulips, Daffodils and all other Bulbs in immense Quantities.

Be sure to consult

Mitchell's Wholesale Catalogue.

Write for Copy to-day.

Direct Importers of Bulbs.

**MICHELL** 1018 MARKET ST. PHILA., PA.

## C. C. MORSE & CO. San Francisco, Cal.

48-56 JACKSON ST.,

The Largest Seed Growers on the Pacific Coast

### ONION, LETTUCE, SWEET PEAS,

- ALSO -

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## Thorburn's Bulbs

Lilium Longiflorum, 6 to 8 in. and up  
Lilium Longiflorum Multiflorum,  
6 to 8 in up

Lilium Candidum  
Bermuda Easter Lillies

Seeds of our Magnificent Strain

Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

## A. MITTING

**Galla Lily Bulb Co.**

Santa Cruz, Calif., U.S.A.

**READY** For Prompt Shipment...

## FRENCH and DUTCH BULBS

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

**JUST ARRIVED**

HIGH GRADE

## DUTCH BULBS

We also carry a full line of Florists' Supplies

**THOMAS J. GREY CO.**

32 & 33 So. Market St., BOSTON, MASS.

## GUARANTEED MUSHROOM SPAWN

7 lbs. for \$1.00

**W. ELLIOTT & SONS**

42 Vesey St., New York

## CAULIFLOWERS CABBAGE

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

#### SOW NOW MY STRAIN OF Hardy Garden Carnations

as;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,	\$2.50	.30
Dwarf Scarlet Grenadin .....	2.00	.30
Early Dwarf Vienna, finest mixed.....	1.00	.30
New Early White Vienna, fine for cut,	1.50	.20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed. ....	4.00	.50

**O. V. ZANGEN, Seedsman**  
HOBOKEN, N. J.

#### Cyclamen

Superb English strain, extra large flowering. Fresh seed just arrived. in the following color:

Deep crimson; white, claret base; pure white, mauve, cream white, bright Xmas red, delicate pink, salomon pink

Per 100 seeds, \$1.00; per 1000 seeds, \$9.00

**H. E. FISKE SEED CO.**

12 and 13 Faneuil Hall Sq. BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE

WHOLESALE TRADE ONLY

SAN JOSE, - - CALIFORNIA

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Winter-flowering

## SWEET PEA SEED

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR. BOUND BROOK, N. J.

In ordering goods please add

"I saw it in HORTICULTURE."

### QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

**ARTHUR T. BODDINGTON**

342 West 14th St., New York.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .**  
**High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.**  
**CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto. Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### BUSINESS CHANGES.

Rising & Dunscombe Co., Los Angeles, Calif., are now located at 117 W. 3d St.

T. F. Galvin, Jr., has taken charge of the Back Bay store of T. F. Galvin, Inc., Boston.

David Ring succeeds Lawrence Cotter at Rosemere Conservatories, Dorchester, Mass.

A. Bliss has moved from Harlem to the corner of Eagle and Westchester avenues, New York.

Miss Alice Miller of Louisville, Ky., has associated with her Mrs. E. Lang, who is well known to the trade.

C. J. Ohmer was admitted into partnership with his uncle, E. G. Gillett, at Cincinnati and the firm name is now Gillett & Ohmer.

F. H. Lanman, Plymouth, Mass., is reported to have sold out his florist

### STEAMER DEPARTURES

#### Allan.

Corsican, Montreal-Liverpool...Oct. 16  
Virginian, Montreal-Liverpool...Oct. 22

#### American.

St. Louis, N. Y.-Shampton...Oct. 17  
Philadelphia, N. Y.-Shampton...Oct. 24

#### Atlantic Transport.

Minnehaha, N. Y.-London...Oct. 17  
Minneapolis, N. Y.-London...Oct. 24

#### Cunard.

Lusitania, N. Y.-Liverpool...Oct. 14  
Caronia, N. Y.-Liverpool...Oct. 17  
Saxonia, Boston-London...Oct. 20

#### French Line.

La Touraine, N. Y.-Havre...Oct. 15  
La Savoie, N. Y.-Havre...Oct. 22

#### Hamburg-American.

Kaiserin, N. Y.-Hamburg...Oct. 15

#### Leyland.

Devonian, Boston-Liverpool...Oct. 14  
Cestrian, Boston-Liverpool...Oct. 21

#### North German Lloyd.

Kaiser Wm. II, N. Y.-Bremen...Oct. 13  
K. Wm. der Grosse, N. Y.-B'n...Oct. 20  
Kronpr. Cecilie, N. Y.-Bremen...Oct. 27

#### White Star.

Majestic, N. Y.-Shampton...Oct. 14  
Arabic, N. Y.-Liverpool...Oct. 15  
Oceanic, N. Y.-Shampton...Oct. 21  
Celtic, N. Y.-Liverpool...Oct. 22

business to Charles Stevens, but will give his attention to market gardening.

A. L. Merriman, Ft. Atkinson, Wis., has sold a half interest in his business to A. F. Wienold and the firm name will be changed to Merriman & Wienold.

J. H. Henninger has disposed of his interest in the Fairhope Greenhouse Co., Louisville, O., to his partner, H. L. Hershey who will not change the firm name.

George Brenkert has taken over the interests of his partners and will continue the business of the Denver Floral Co., Denver, Col., under the same name.

The handsomest booth at the Park Square Food Fair, Boston, occupied by the Walter Baker Chocolate Company, has been decorated by Julius Zinn, Beacon street, with Rambler roses, asparagus, palms, ferns and other plants.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 30th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

**THOS. F. GALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

## PERSONAL.

Henry Small is lying dangerously ill at his home in Washington.

Visitors in Boston: Mr. and Mrs. Leonard Barron, New York, en route to Nova Scotia.

Visitors in New York: Mrs. W. W. Edgar, Waverley, Mass.; Mr. Hatcher, Amsterdam, N. Y.

Wm. F. Kasting has been appointed park commissioner of Buffalo, N. Y., for a term of five years.

Kershaw Clegg of East Orange, N. J., is now on the Mauretania on his return from a visit to his native England.

George Simpson, of Puchey & Simpson, of East Orange, N. J., was married last week to a Schooley's Mountain girl.

Harry Bunyard, A. T. Boddington's popular representative, is on the high seas, on board the Lusitania, due to arrive at New York on Saturday, Oct. 10.

Gus Freytag, Jr., son of Gus Freytag, florist, of Hilltop place, Orange, N. J., has secured a position in the flourishing floral emporium of George Smith on Main street.

Chicago visitors are few this week—mostly traveling salesmen, drifting in after the early business. Among them we noted A. Martial of Reed & Keller, New York; Wm. Ford, with A. Hermann of New York, and E. J. Fancourt of Pennock-Meehan Co., Philadelphia.

**BOSTON FLORIST LETTER CO.**  
Manufacturers of **FLORISTS' LETTERS**



**This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters**

Block Letters, 1½ or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or word.  
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

**N. F. MCCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**Hoffman**  
59-61  
Massachusetts Ave.  
Commonwealth Ave.  
BOSTON.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## THE NEW IDEA IN PLANT STANDS

The Moore-Livingston  
Graduating or Adjusting

Saves one-half to two-thirds of cost over ordinary galvanized iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS

SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., **Lansdowne, Pa.**

## NEW RETAIL FLOWER STORES.

W. F. Dutton, Holland, Mich.

Phillips reopened his store on Oct. 15th.

R. J. Turner, 112 E. 12th St., Kansas City, Mo.

E. J. Donovan, 874 Ninth avenue, New York.

J. W. Grandy, Jr., 251 Granby street, Norfolk, Va.

A. T. Holmes, 708 Minnesota Ave., Kansas City, Mo.

Miss McGrady, 67 Union street, Newton Centre, Mass.

F. O. Riebe, Webster, Mass.; Miss M. Dufour, manager.

W. Commandaros, 6th avenue and 58th street, New York.

M. B. Kingman, Hunt's Block, Amherst, Mass., re-opened.

Phillips reopened his store in Washington, D. C., on Oct. 15th.

Fred Hoffman, Providence, R. I.; Bernard Conroy, manager.

Vernon Lee opened a new store at 1328 14th street N. W., Washington, D. C., on Oct. 5th.

C. A. Norton is to start a new store at 2818 14th street, Washington, D. C., on Saturday, Oct. 10th.

W. Murchie, formerly with Blackistone, will open on Oct. 15th at 18th and M streets, Washington, D. C.

## FALL OPENINGS.

Z. D. Blackistone, Washington, D. C., invited the public, especially those interested in children's garden work, to visit his establishment from Oct. 1 to 10.

A. O. McCrea, New Haven, Conn., has opened the season with a large stock of standard plants and novelties which he has invited the public to inspect.

## NEWS NOTES.

No flower recently adopted for florists' use has "caught on" in popularity so quickly as the Spanish iris. Dainty in form, lovely in its colors and simple in its culture under glass, it will have a big sale this year. Beekert is advertising them in this issue.

The latest sensation among the Detroit florists is the forming of the "Bright-Mayor-Club" for the purpose of advancing the political prospects of Mr. Phil. Breitmeyer. A party of 75 florists and business men marched to Mr. Breitmeyer's home last Wednesday and serenaded him, carrying a transparency inscribed: "Bright-Mayor-Club—Our Next Mayor—Philip Breitmeyer." Each participant carried a Japanese lantern. Mr. Breitmeyer was escorted to the Harmonic Hall, where a supper was served, the club organized and officers chosen.

## A DEPARTMENT STORE OPENING.

Marshall Field's annual opening in Chicago this week is a study of inestimable value to the florist and in its practical lessons is worth going far to see. Harmony of color is its predominating feature, while it artistically weaves together all the brilliant autumnal hues. The central effect is that of a sweep of color representing the Dancing of the Winds, while mingling with the trees, some in autumnal tints and some still in their summer green prophetic of another summer to come, are nymphs and dryads, sprites and sylphs. The stately columns of the main aisle of the block-long store are draped with vines carrying out a color scheme to be found in constant use by our first and best teacher—Nature. As a complement to all this rich coloring, potted plants were used; Boston ferns, mostly large, and palms to the height of twelve or more feet; from pillar to pillar on some floors were festoons of Asparagus plumosa and chandeliers were hung with smilax. The tea room was beautified with cut flowers and potted plants. Special attention was given to the china and cut glass departments, in which were used long-stemmed American Beauty roses by the hundred. The Killarney rose was also largely used. The decoration of this store, which has no superior in the world today, called for the use of 2500 additional pot plants and over 4000 roses and a large amount of asparagus and smilax.



**HARDY FERNS**  
By the Million  
At 75 Cents per 1000  
Our own picking

**N. F. MCCARTHY & CO.,**  
84 Hawley St.,  
BOSTON

## ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 58.

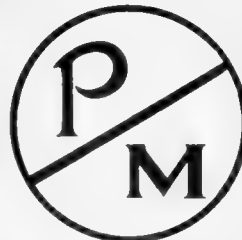
# CHRYSANTHEMUMS

**PINK, WHITE and YELLOW**

**\$2.00 to \$3.00 per dozen**

**The Leo Niessen Company**  
1209 Arch St., Philadelphia, Pa.

Commencing Sept. 21st open from 7 a.m. to 8 p.m.



**MEDIUM  
and  
SHORT ROSES**  
**\$10 per thousand**

In smaller quantities, \$2 per hundred.

Exceptional Value

QUALITY

**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

## AUTUMN FOLIAGE

Any Quantity. Well Colored.

**W. E. McKISSICK** WHOLESALE FLORIST  
PHILADELPHIA  
1619-1621 RANSTEAD ST.

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG

WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

## WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES

**LILY OF THE VALLEY, CARNATIONS**

**WELCH BROS., 226 Devonshire St., Boston, Mass.**

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 5		Oct. 5		Oct. 6		Oct. 8	
<b>ROSES</b>								
Am. Beauty, Fancy and Special...	25.00	to 30.00	20.00	to 30.00	20.00	to 25.00	15.00	to 25.00
"    Extra.....	20.00	to 25.00	18.00	to 20.00	15.00	to 20.00	12.00	to 15.00
"    No. 1.....	10.00	to 20.00	10.00	to 15.00	8.00	to 10.00	6.00	to 10.00
"    Lower grades.....	6.00	to 10.00	5.00	to 8.00	6.00	to 8.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special....	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	2.00	to 5.00
"    Lower grades.....	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	.50	to 1.00
Killarney, Richmond, Fan. & Sp....	6.00	to 8.00	4.00	to 8.00	6.00	to 10.00	2.00	to 5.00
"    Lower grades.....	4.00	to 6.00	2.00	to 4.00	2.00	to 6.00	.50	to 1.00
Kaiserin, Carnot.....	3.00	to 8.00	3.00	to 8.00	2.00	to 8.00	.50	to 4.00
Golden Gate, Chateauy, etc.....	4.00	to 6.00	3.00	to 8.00	2.00	to 8.00	.50	to 3.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	2.00	to 3.00	1.50	to 2.50	1.50	to 3.00	1.00	to 2.00
Ordinary.....	1.00	to 2.00	1.00	to 1.50	.75	to 1.50	.75	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	50.00	to 60.00	50.00	to 60.00	50.00	to 60.00	30.00	to 50.00
Lilies.....	15.00	to 20.00	6.00	to 12.00	12.50	to 15.00	6.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 3.00
Asters.....	1.00	to 3.00	1.50	to 3.00	.....	to .....	.....	to .....
Gladioli.....	2.00	to 3.00	2.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Dahlias.....	1.00	to 2.00	1.50	to 3.00	.75	to 3.00	.....	to .....
Chrysanthemums.....	.25	to .35	.....	to .....	.....	to .....	8.00	to 12.50
Violets.....	.....	to .....	.....	to .....	.....	to .....	.25	to .50
Adiantum.....	.75	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50
Smilax.....	6.00	to 10.00	10.00	to 15.00	12.50	to 20.00	10.00	to 12.00
Asparagus Plumosus, strings.....	35.00	to 50.00	35.00	to 50.00	.....	to 50.00	25.00	to 50.00
"    " & Spreng. (100 bchs.)	25.00	to 50.00	35.00	to 50.00	35.00	to 50.00	15.00	to 50.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

**CUT FLOWERS**



## HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Everygreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax, Green, 50c; Leucothoe Sprays (green only), \$1.00; Ferns, Dagger and Fancy, 75c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N. C.

**NORTH CAROLINA EVERGREEN CO.**  
Banner Elk, N. C.

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Flower Market Reports.

**BOSTON** Happiness of an almost forgotten flavor prevails in and around the wholesale establishments and markets of the Hub this week. Business waked up with a start about a week ago and a nice brisk movement has been going on ever since. How long it will continue is another question and one to which few are courageous enough to even whisper an answer. But for what we have received we are duly thankful. The summer has been the least satisfactory ever experienced here and it will take a long hustle to catch up. There have been no serious frosts yet in this vicinity and dahlias are still on deck but asters are finished. Chrysanthemums and violets are sparingly in evidence. Everything has sold well for the past few days if it possessed any merit. We hope we shall be enabled to make a similarly encouraging market report next week.

The long looked for rain **BUFFALO** finally came good and plenty, with sufficient wind to make it seem like real fall weather. The heat of two weeks ago burned up the asters and other outdoor material which has caused the market to be overstocked on carnations, etc., but as cold weather has come on it has put new life in the market, and the past week business has been quite brisk. Autumn weddings are creating a noticeable demand. Lily of the valley, Eride, Bridesmaid, Killarney and other roses are in good supply. Beauties have been the same but they have sold exceptionally well, and the quality has been fine. Violets have been in the market some time with little or no call, being of poor color and somewhat shaky, but toward the end of the week the demand grew stronger. Chrysanthemums have made their appearance, but not in quantity. Monrovia and Bergmann are seen, but of small blooms. Dahlias have helped out for the past few days, also gladioli, which have been had in good quality, and the quality good for so late in the season. Adiantum, smilax, asparagus, wild smilax, and other greens shared in the demand.

Conditions in the **CHICAGO** market are changing rapidly. A killing frost has reduced the out door stock to a minimum and an advance of 25 percent is noted on nearly all flowers. Lilies are in sharp demand and prices are correspondingly higher. Carnations are rapidly improving with the cooler weather. Roses are also good and seem to sell readily. The greatest change, however, in the appearance of the market is caused by the absence of the asters. The florists generally are glad to see them go, for they were not satisfactory either in quality or price. Quantity alone seemed to prevail and they would not sell. Chrysanthemums are taking their place and are a welcome change.

The season is starting up very satisfactorily, **DETROIT** The volume of business done is considered to be fully up to that of last year. A strong demand exists for palms and ferns, with Boston fern far in the lead. Heavy rains

## WHOLESALE FLOWER MARKETS.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 5		Oct. 7		Oct. 5		Oct. 7	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
“ Extra	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.00	to 15.00
“ No. 1	10.00	to 15.00	12.00	to 16.00	8.00	to 15.00	6.00	to 10.00
“ Lower grades	4.00	to 8.00	6.00	to 10.00	3.00	to 8.00	2.00	to 4.00
Bride, Maid, F. & S.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	4.00	to 6.00
“ Low. gr.	2.00	to 4.00	3.00	to 6.00	2.00	to 4.00	1.00	to 3.00
Killarney, Richmond, Fan. & Sp.	4.00	to 6.00	6.00	to 8.00	4.00	to 7.00	4.00	to 6.00
“ Lower grades	2.00	to 7.00	3.00	to 6.00	2.00	to 4.00	1.00	to 3.00
Kaiserin, Carnot	4.00	to 6.00	4.00	to 8.00	3.00	to 7.00	2.00	to 8.00
Golden Gate, Chateaufay, etc.	2.00	to 3.00	4.00	to 8.00	3.00	to 6.00	2.00	to 8.00
CARNATIONS								
Fancy and Novelties	.....	to .....	2.00	to 3.00	1.50	to 2.00	1.00	to 2.00
Ordinary	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	.....	to 1.00
MISCELLANEOUS								
Cattleyas	.....	to .....	50.00	to 75.00	75.00	to 80.00	50.00	to 60.00
Lilies	8.00	to 10.00	12.50	to 15.00	3.00	to 12.00	10.00	to 12.50
Lily of the Valley	3.00	to 4.00	3.00	to 4.50	3.00	to 4.00	2.00	to 4.00
Asters	.75	to 1.00	1.00	to 2.00	.50	to 1.50	.....	to 1.00
Gladioli	2.00	to 3.00	1.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Dahlias	.....	to 1.00	.....	to .....	1.00	to 2.00	1.00	to 3.00
Chrysanthemums	.....	to .....	.....	to .....	10.00	to 25.00	10.00	to 20.00
Violets	.....	to .....	.....	to .....	.....	to .....	.....	to 1.50
Adiantum	.....	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.50
Smilax	10.00	to 12.50	12.50	to 15.00	12.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings	40.00	to 50.00	.....	to .....	40.00	to 50.00	30.00	to 50.00
“ “ & Spreng. (100 bchs.)	25.00	to 35.00	20.00	to 40.00	25.00	to 30.00	30.00	to 40.00

in the early part of the week were followed by several frosts, which finished all out-of-door flowers, thereby causing a shortage temporarily. In a few weeks we shall have fully recovered from that, as most growers begin to cut chrysanthemums during the coming week.

### INDIANAPOLIS

Business conditions for the past week show a decided improvement but still there is room for considerable more. The market is pretty well stocked. Carnations are coming in decidedly better. Chrysanthemums are to be had in fair quantity in yellow and white. Asters and dahlias are about over; likewise all outdoor flowers. American Beauties and tea roses are arriving in good shape; the price has advanced about one-third. Good lily of the valley finds ready demand. There seems to be quite a call for flowering plants but very little to be had along that line. Violets are arriving from outside points; the quality is nothing to brag of. Counter trade is much improved and the usual crop of October weddings will create quite a demand for fancy stock. Green goods are to be had in quantity but not from this vicinity.

### PHILADELPHIA

A better tone prevailed in this market during the latter part of last week and still continues. This is due in part to the cooler weather and to the stimulus of many October weddings and other festivities. American Beauty, Killarney and Mrs. Jardine roses are cleaning up well and bringing very fair returns—all things considered. Richmond, Bride and Bridesmaid have improved considerably in quality. My Maryland is a prime favorite. The retailers like it for its dainty pink and also for its

keeping qualities. Carnations are improving both in quality and demand. Dahlias are in their glory. No frost to this writing (Oct. 6th). Asters are over. Chrysanthemums just starting; the first arrivals are: Monrovia, Glory of Pacific, Polly Rose and October Frost. Orchids are good and in demand; lily of the valley market healthy. Single violets have improved considerably, and there are a few doubles of very fair quality coming in the past few days. Cosmos is plentiful and improved in quality.

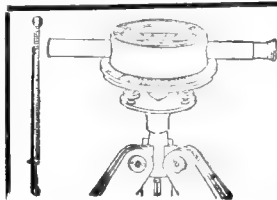
Business conditions **PITTSBURG** are gradually improving. The weather

has turned cold and a heavy frost this week has checked the receipts of all out-door flowers. This will stimulate the demand for roses, carnations and chrysanthemums which are coming in in quantity and of excellent quality. Violets have also made their appearance. This section does not produce violets and the entire supply of doubles come from the Hudson River district. Dahlias of superb quality are being received from New Jersey.

There is but little change in the status of the market since the last meeting. A few good chrysanthemums are coming in, and all greenhouse material is hardening up and improving. Asters are virtually gone and dahlias are in by the million. Greens are in demand.

### CHICAGO PLANT MARKET.

Early shipments of azaleas are in Chicago market. It was feared that the hot weather they experienced in transit would injure them but they seem to be arriving in good condition and well set with buds. Chinese primroses, Primula obconica and cyclamens are beginning to come in but are not at their best yet.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

ROSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,

Choice Cut Flowers,

57 West 28th St., :: NEW YORK.

Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**Richmond Roses and Rich Flowers  
of all varieties**JOS. S. FENRICH**

110 W. 28th Street, New York

Tel. 324-325 Madison Square

**Alfred H. Langjahr**All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.55 West 28th Street, New York.  
Telephones 4626-4627 Madison Square**Edward C. Horan**  
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
1463**FRANK MILLANG****Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
sale Market Rates.**Consignments Requested**

OF FIRST-CLASS FLOWERS

A Good Market and Prompt Returns

**GEORGE SALTFOED**43 W. 28th Street, NEW YORK  
Telephone, 3497 Madison Sq.**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860 Madison  
3861

NEW YORK

**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR  
LARGEST GROWERSA full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
CARNATIONS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York****PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.**CUT FLOWERS**

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.**

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
**PHONES: 1664--1665 MADISON SQUARE**  
**ENOUGH SAID**

**NEW YORK QUOTATIONS PER 100. To Dealers Only**

	ROSES	Last Half of Week ending Oct. 3 1908	First Half of Week beginning Oct. 5 1908
American Beauty, Fancy and Special	15.00 to 25.00	15.00 to 25.00	15.00 to 25.00
" " Extra	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" " No. 1	5.00 to 8.00	5.00 to 8.00	5.00 to 8.00
" " Lower Grades	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Bride, "Fleisch", Fancy and Special	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
" " Lower Grades	.50 to 1.00	.50 to 1.00	.50 to 1.00
Killarney, Richmond, Fancy and Special	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
" " Lower Grades	.50 to 1.00	.50 to 1.00	.50 to 1.00
Kaiserlin, Carnot...	.50 to 5.00	.50 to 5.00	.50 to 5.00
Golden Gate, Chateaufort, etc.	.50 to 5.00	.50 to 5.00	.50 to 5.00

**TRAENDLY & SCHENCK**

Wholesale Florists

**Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.**

Cut Flowers at Wholesale

**VIOLETS, CARNATIONS, ROSES, ORCHIDS**

Consignments Solicited. Shipments to Order, any Distance

39 West 28 Street,

NEW YORK

Prices Quoted in these Columns are for Dealers Only.  
 When Writing to Advertisers Please Mention  
**HORTICULTURE.**





# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## WHOLESALE FLORISTS

54 West 28th St.  
NEW YORK

Telephone 3559 Madison Sq.

# A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.

## JOHN YOUNG

### WHOLESALE FLORIST

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

## WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

### WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

## Greater New York Florists' Association, Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

## REED & KELLER

122 West 25th St., New York

## Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in  
Glassware Decorative Greens and Florists' Requisites

## WEIGEL & UJFALUSSY

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

## THE KERVAN CO.

Wholesale Dealers and Shippers of

### Decorative Evergreens

Ferns, Galax, aures, Fresh Cycas, Boxwood, Sphagnum and all Christmas Greens  
Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

## SAMUEL A. WOODROW

### WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

## H. G. BERNING

### Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

## GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of

### EVERGREENS

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## E. A. BEAVEN

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

## MISTLETOE

### WHOLESALE ONLY

Twelve years' experience in gathering and shipping Mistletoe. Crop will be about fifty-five thousand pounds. Dates of shipments guaranteed. Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Oct 3 1908	First Half of Week beginning Oct. 5 1908
Carnations, Fancy and Novelties. ....	1.00 to 2.00	1.00 to 2.00
“ Ordinary .....	.75 to 1.00	.75 to 1.00
Cattleyas .....	25.00 to 50.00	25.00 to 50.00
Lilies .....	4.00 to 6.00	4.00 to 6.00
Lily of the Valley .....	1.00 to 2.00	1.00 to 2.00
Chrysanthemums .....	.10 to 25.00	8.00 to 25.00
Violets .....	.25 to .50	.25 to .50
Gladioli .....	25 to 1.00	.25 to 1.00
Gardenias .....	12.00 to 25.00	12.00 to 25.00
Dahlias .....	.25 to .60	.25 to .50
Adiantum .....	.50 to 1.00	.50 to 1.00
Smilax .....	8.00 to 10.00	8.00 to 12.00
Asparagus Plumosus, strings .....	25.00 to 50.00	25.00 to 50.00
“ “ & Spren. (too bchs.) .....	12.00 to 25.00	12.00 to 25.00

New wholesale houses and rumors of new wholesale houses amuse and vex by turns the denizens of 28th street, who naturally look askance at any further additions to the lengthening line of brokers among whom the already too slender profits of the wholesale dealer must be divided. This is something, however, that gives no worry to the average flower grower, who is apt rather to encourage a multiplication of distributors, for obvious reasons. Up to present time there is enough stock and to spare for every ambitious wholesaler, and the goods are much more abundant than the buyers as a rule. But the limit has been about reached if the experience of past years is any criterion, and with the finish of aster, gladiolus and dahlia a jacking up of demand and prices on other material would seem to be in order soon. Politics for the next few

weeks is apt to hold down any very sportive tendency on the part of the public, however, and anyone looking for a famine or old-fashioned inflation of values will have a most excellent opportunity to practice up on patience. Quality is improving all along the line. Roses that the most hardened bargainer would be ashamed to even give to a street fakir are giving place to really nice if not over-large stock. Carnations are steadily progressing toward the winter standard. Violets are gaining in quality and quantity but unfortunately the demand seems going the other way. Chrysanthemums such as Glory of the Pacific and Polly Rose give a foretaste of what is coming and cattleyas jumped inside of 48 hours from the scarce column to plethoric abundance. But, alas, just as things begin to come our way, cross-town transfers are discontinued and lots of our friends must either pay double fare or walk. Isn't it awful, Frank?

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegas. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARACARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

The Storrs & Harrison Co., Painesville, O.

We have a specially fine lot of Aracarias—the plants at \$1.00 each are extra value for the money.

4-inch.....50 cents each  
6 ".....75 " each  
8 ".....\$1.00 each

Wittbold Co., 1637 Buckingham Place, Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.

Plumosus Robustus Seeds.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass., L. C. Mibley, Prop.

Poehlmann Bros. Co., Morton Grove, Ill. Asparagus Plumosus and Springeri.

Asparagus Plumosus Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

Asparagus roots. Argenteus, raised on new land, good plants, 100 \$1.50. Robert A. Mott, Manchester by the Sea, Mass.

Asparagus plumosus Robustus, strong plants from 2-4 in. pots, \$3.00 per 100. Cash. W. S. Nichol, Barrington, R. I.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.

Gloire De Lorraine.

For page see List of Advertisers.

H. A. B. & S. Co., 222 E. 11th St., N. Y.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2-4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.

For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

K. Velthuys, Hillegom, Holland, Represented by Felix Bosch, 260 Clarendon St., Boston.

Bulbs French and Dutch.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Dutch Bulbs and Florists' Supplies.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

Calla Bulbs.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs.

Also native tree and plant seeds. I have them and will make prices to suit. L. E. Williams, Nottingham, N. H.

Weeber & Don, 114 Chambers St., New York.

Bulbs for Forcing.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co.,

White Marsh, Md.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

C. H. Totty, Madison, N. J.

Field Grown Carnations.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

H. A. Cook & Son, Shrewsbury, Mass.

Carnations Field Grown.

For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Morel Bros., 624 E. Market St.,

Scranton, Pa.

For page see List of Advertisers.

Worcester Conservatories, Worcester, Mass.

Field Grown Carnations.

Enchantress, strong, field, \$4.00 to close.

Cash. L. E. Marquisee, Syracuse, N. Y.

130 Carnation Plants, Pink Lawson, for

\$4. 130 Enchantress for \$4. Cash. Furst,

Florist, Dayton, Ohio.

## CARNATIONS—Continued

Field grown Carnation Plants, healthy, large, none better. Enchantress, Mrs. Th. W. Lawson, Boston Market, Lady Bountiful, Cardinal, \$5.00 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

Large quantity of fine Enchantress, \$5.00; also good Queen and Barlowarden, \$5.00; Perfection \$7.00; Victory \$6.50; Bountiful, medium, \$4.00. A. A. Gannett, Geneva, N. Y.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRISTMAS PEPPERS

Morel Bros., 624 E. Market St.,

Scranton, Pa.

For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.

## CHRYSANTHEMUMS

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,

Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.

Decorative Plants, Primulas, Etc.

## DRACAENAS

The Geo. Wittbold Co.,

1637 Buckingham Place, Chicago, Ill.

For page see List of Advertisers.

## ELECTRIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.

Automatic Hot Water Circulator.

For page see List of Advertisers.

## EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

American Nursery Co., 150 Broadway,

New York, N. Y.

For page see List of Advertisers.

Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

# For List of Advertisers See Page 497

**FERNS**

- A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.
- A. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.
- Frank Oechslin, 2570-2606 W. Adams St., Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.
- S. K. Peterson Co., Tarrytown-on-Hudson, New York.  
Nephrolepis Superbissima.  
For page see List of Advertisers.
- Storrs & Harrison Co., Painesville, O.

**FERTILIZERS**

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.
- German Kali Works, 93 Nassau St., New York.  
For page see List of Advertisers.
- Robert Simpson, Clinton, N. J.  
Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

- Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.
- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—Continued**

- H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2159-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. & Green Av., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

- A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.
- FLOWER POTS**
- W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.
- Whilldin Pottery Co., Philadelphia.  
Standard Flower Pots.  
For page see List of Advertisers.
- The Peters & Reed Pottery Co., Red pots, seed pans, etc.  
Zanesville, O.

**GALAX**

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.
- No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**GERANIUMS**

- R. Vincent Jr. & Sons Co., White Marsh, Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLUS BLOOMS**

- Gladiolus Blooms by dozen, hundred or thousand. Trial order, 100 blooms, mixed, \$1.00. J. L. Moore, Northboro, Mass.

**GLASS**

- Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- Sharp, Partridge & Co., 22d & Lumber St., Chicago.  
For page see List of Advertisers.
- Parsbelky Bros., 59 Montrose Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- GLASS, High Grade, Double Thick Greenhouse Glass.** Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING POINT**

- H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.
- GLAZING POINTS,** Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL—Continued**

- Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Boston.  
For page see List of Advertisers.

**GREENHOUSE BUILDING MATERIAL—Continued**

- King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

- GREENHOUSE CONSTRUCTION,** Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
- A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.
- The Weathered Co., New York City.  
For page see List of Advertisers.

**GUTTERS**

- GUTTERS,** Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

- Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

- I. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.
- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**HARDY PERENNIALS**

- All strong field plants or roots of the following kinds. Price per 100. No less than 20 of one kind at these prices: Anemone Jap. Whirlwind, \$4.50; Campanula Persicifolia, blue and white, \$3.50; Dianthus Plumarius, hardy pinks, \$3.50; Funkia Media Picta Var. \$3.50; Bocconia Cordata, \$2.50; Helium Autumn. Sup. \$2.50; Oriental Poppies, six named sorts, \$4.00; Phlox in variety, \$2.50; Phlox Subulata, Rose and Lilac, clumps, \$3.50; Rudbeckia Newmanii and Sub. Tomentosa, \$2.00; Spiraea, Palmetta Elegans, Umalia, Aurea, and Venus, \$3.50; Eupatorium Ageratoides, \$2.50; Euphorbia Corolata, \$2.50; Helianthus Molli-Grand, Wooley Dodd and Decapetthus, \$2.50; German Iris in mixture, \$1.50. Palisades Nurseries, Sparkill, N. Y.

- Hardy Plants.** Note our low prices on field grown plants. Ger. Iris, Atrop., Aug., Hon., Md. Chereau, Queen of Gyp., Spect., Virgils, Walneri, \$3.00 per 100. Japan Iris, caved, \$8.00; Aquilegia, Chrys. Glend Skinneil, \$5.00; Tall Eng. Delph. \$10.00; Funkia Coerulea, \$4.00; Hemerocallis Fulva, Kwanso, \$3.50; Rudbeckia, Golden Glow, L. Atlanta, Newmanii, \$1.00; Helianthus, Max. Rigidus, \$2.50; Valeriana, \$3.00. Waggoner Park Conservatories, Sydney, Ohio.

- Sweet Williams, Canterbury Bells, Vinca Minor. Also Pansies. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

**In writing to Advertisers kindly mention Horticulture**

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 269-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arboreascens Grand. Alba.  
For page see List of Advertisers.

Storrs & Harrison Co., Painesville, O.  
Hydrangea Otaka.

**INSECTICIDES.**

Nicotinic kills all greenhouse pests.  
P. B. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.

Stunpp & Walter Co., 50 Barclay St., New York.  
Kilmdend Tobacco Dust.  
For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitations, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

"The Black Stuff Fine Tobacco Powder"—Green flies, and black ones too, die on sight of the bag. "Tis fine as flour, and made from the black strong tobacco; for dusting or fuming it has no equal. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

APHICIDE (nicotine paper) costs less per effectual fumigation than any other paper made. We guarantee this. We sell direct to the grower; the middleman's profit is placed in the nicotine strength of the paper. 24 sheets, each sheet 24 inches long, 65c. postpaid; 144 sheets, each sheet 24 inches long, \$3.50 express paid; 238 sheets, each sheet 24 inches long, \$6.50, express paid. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers.

**IRIS**

500 Pseudo-acorus, 6c.; 200 Flavescens, 1000 Mme. Chereau, 3c. each. E. F. Dwyer & Sons, Lynn, Mass.

Iris pallida dalmatica (true variety), the finest of all the German iris, price \$12.00 per 100; special price on large lots. Now is the time for planting. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roselindale, Mass.  
For page see List of Advertisers.

**KENTIAS - Continued**

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

The Storrs Harrison Co., Painesville, O.

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00

Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.  
For page see List of Advertisers.

**MISTLETOE**

F. Cecil Barker & Co., Las Cruces, N. Mex.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture," John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NEW RED HELENIUM**

Frederic J. Rea, Norwood, Mass.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.  
For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.  
Ornamental Trees.  
For page see List of Advertisers.

Clary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
For page see List of Advertisers.

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.  
For page see List of Advertisers.

D. J. Twomey, Dept. H., Geneva, N. Y.  
For page see List of Advertisers.

J. H. Troy, 24 East 34th St., New York, N. Y.  
Lombardy Poplars Wanted  
For page see List of Advertisers.

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.  
Norway and Sugar Maples.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.  
For page see List of Advertisers.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.  
ELLWANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

**ORBID PLANTS - Continued**

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roselindale, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PALMS**

Henry A. Dreer, 714 Chestnut St., Philadelphia.  
For page see List of Advertisers.

**PANSY PLANTS.**

Augustus Zingiebel, Needham, Mass.  
For page see List of Advertisers.

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Andover, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

Wm. Mathews, Utica, N. Y.  
Orchid Peat.  
For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey  
For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.  
Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.  
One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.  
Peonies. Newest of the new, and the standard old varieties. Send for catalog. George Heile, 128 Hollis St., South Weymouth, Mass.

**PHLOXES**

Phlox, 20 of the best varieties. John F. Flood Co., East St., Dedham, Mass.  
Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.  
Field grown, 1500 Stella's Choice, tall, late, white, 150 Pantheon, 100 Cross of Honor, 3c. each. E. F. Dwyer & Sons, Lynn, Mass.  
Phlox Perennial. Three best whites in existence. Strong field plants of Madame Lingard and Mrs. E. E. Jenkins, \$40.00 per 1000, \$5.00 per 100, 75c. per doz. F. G. Von Lassburg, \$6.50 per 100, \$1.00 per doz. Palisades Nurseries, Sparkill, N. Y.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp.  
\$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**PRIVET**

800,000 Cal. Privet, 2 years old, 2½ to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades  
Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Scholz, 644 4th Ave., Louisville, Ky  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 398 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMullin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis.  
Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene  
Ave., Brooklyn, N. Y.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.

For page see List of Advertisers.

**ROSES — Continued**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Grafted Roses. Own Roots.

For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No.  
11-2, \$65.00 1000. H. T. Jones, Elizabeth,  
N. J.

Roses, strong, own root, 4 inch Chatenay,  
Killarney, Richmond and Maid, \$8 per 100.  
Siebrecht & Son, New Rochelle, N. Y.

The beautiful new pink rose, MISS  
KATE MOULTON is the queen of all  
pink roses. It's a winner and you should  
grow it. Price \$30.00 100; 500 \$125.00;  
1000 \$200.00; 5000 and upwards \$175 per  
1000. Minneapolis Floral Co., Minneapolis,  
Minn.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

I. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St.,  
New York.

For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Cyclamen Seed.

For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market  
St., Boston.

Mignonette Seed.  
For page see List of Advertisers.

Brasilian Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.

For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St.,  
San Francisco, Calif.

For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds  
in large or small quantities. C. S. Harri-  
son's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago.

For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SMILAX**

R. Vincent Jr. & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

Morel Bros., 624 E. Market St.,  
Scranton, Pa.

For page see List of Advertisers.

Smilax, 2½, strong, \$1.50. Cash. L. E.  
Marquisee, Syracuse, N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. Lager &  
Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales,  
\$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash.  
H. R. Akers, Chatsworth, N. J.

We have our large stock of fresh, clean,  
Sphagnum, Leaf Mould, Orchid and Rotted  
Peat. Can supply any amount wanted,  
best quality only, at reasonable prices.  
Write for samples and prices. American  
Moss & Peat Co., Box 6, Waretown, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay,  
So. Bend, Ind.

**STEAM TRAP**

E. Hppard, Youngstown, O.  
For page see List of Advertisers.

**SULFUR BURNER**

Benj. Dorrance, Rose Growers,  
Dorranceton, Pa.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**TROLIUS**

1000 Trollius Europaeus, \$5.00 per 100.  
E. F. Dwyer & Sons, Lynn, Mass.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.

For page see List of Advertisers.

VENTILATING MACHINERY, New  
Model encased, self-oiling gear; Standard  
Model Open Gear. Lord & Burnham, 1183  
Broadway, N. Y.

**VERONICA**

Longifolia Subsessilis (Blue Jay Flower),  
the best of all hardy plants for cutting or  
bedding. Extra strong field clumps, \$6.50  
per 100, \$1.00 per doz. First size field  
plants, \$5.50 per 100, 80c. per doz. Strong  
field plants, \$4.50 per 100, 60c. per doz.,  
\$35.00 per 1000. Palisades Nurseries, Spar-  
kill, N. Y.

**VINCAS**

Vinca Var., strong, field, \$3.50. Cash. L.  
E. Marquisee, Syracuse, N. Y.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Uffalussy, 136-138 W. 28th St.,  
New York.

Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 88-40  
Broadway, Detroit, Mich.

Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

Wirework—Compare our prices with  
others. Scranton Florist Supply Co.,  
201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave.,  
Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave.,  
Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

Poehlimann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

**“NICO-FUME”**

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...  
**THE KENTUCKY TOBACCO PRODUCT CO.,**      **Louisville, Ky.**

**LIQUID**

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

**WHOLESALE FLORISTS — C****Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

**New York**

J. S. Fenrich, 110 W. 28th St., New York

For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York

For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York

For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York

For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York

For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York

For page see List of Advertisers.

James McManus, 42 W. 28th St., New York

For page see List of Advertisers.

John I. Raynor, 49 W. 28th St., New York

For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York

For page see List of Advertisers.

Traendly &amp; Schenck, 44 W. 28th St., New York

For page see List of Advertisers.

Moore, Hentz &amp; Nash, 55 and 57 W. 28th St., New York

For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.

For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 28th St., New York

For page see List of Advertisers.

Milling Bros., 41 W. 28th St., New York

For page see List of Advertisers.

John Young, 51 W. 28th St., New York

For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

For page see List of Advertisers.

George Salter, 113 W. 28th St., New York

For page see List of Advertisers.

Frank Miller, 55 W. 28th St., New York

For page see List of Advertisers.

**Philadelphia**

W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.

For page see List of Advertisers.

Leo Nielsen Co., 1209 Arch St., Philadelphia, Pa.

For page see List of Advertisers.

The S. S. Pennock Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.

For page see List of Advertisers.

**Pittsburg**

J. B. Murdoch &amp; Co., 714 Penn Ave., Pittsburg, Pa.

For page see List of Advertisers.

**St. Louis**

H. G. Berning, 1492 Pine St., St. Louis, Mo.

For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

Samuel A. Woodrow, 53 W. 30th St., New York.

For page see List of Advertisers.

**WILD SMILAX**E. A. Reaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosaic.  
For page see List of Advertisers.**New Offers in This Issue.****CLEARING SALE OF SHRUBBERY.**

Red Rose Farms &amp; Nurseries,

G. C. Watson, Trustee,

839 Market St., Philadelphia

For page see List of Advertisers.

**COLD FRAME MATS.**

Wm. Elliott &amp; Sons, 12 Vesey St., N. Y.

For page see List of Advertisers.

**DECORATIVE EVERGREENS.**

The Kervan Co., 113 W. 28th St., N. Y.

For page see List of Advertisers.

**L. LONGIFLORUM, MULTIFLORUM, CANDIDUM.**

J. M. Thorburn &amp; Co., New York

For page see List of Advertisers.

**PEERLESS GLASS REPAIR CLAMP.**

A. Klokner, Wauwatosa, Wis.

For page see List of Advertisers.

**RAMBLER ROSES FOR FORCING.**

M. H. Walsh, Woods Hole, Mass.

For page see List of Advertisers.

**RHUBARB AND ASPARAGUS FOR FORCING.**

Warren, Shinn's Nurseries, Woodstown,

New Jersey.

For page see List of Advertisers.

**SILVER LINDENS WANTED.**

J. H. Troy, New Rochelle, N. Y.

For page see List of Advertisers.

**SPANISH IRIS FOR FORCING.**

W. C. Beckett, North Side, Pittsburg, Pa.

For page see List of Advertisers.

**SPARKLING DEWDROP CHIFFON.**

Wertheimer Bros., 550 Broadway, N. Y.

For page see List of Advertisers.

**VIOLETS.**

B. S. Shinn, 55 W. 28th St., New York

For page see List of Advertisers.

**WHOLESALE FLORISTS.**

A. L. Young &amp; Co., 51 W. 28th St., N. Y.

For page see List of Advertisers.

**WHOLESALE FLORISTS.**

Growers' Cut Flower Co., 39 W. 28th St., New York.

For page see List of Advertisers.

**October  
Already!**

Fast Business Will Be Just  
What YOU Make it.  
We have room for your Ad-  
vertisement. Anything from  
Cent a Word in Buyers Direc-  
tory to a Double Page An-  
nouncement.  
If you want Fall Business  
Get Busy NOW.

**WANTS, FOR SALE, ETC.**

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

**HELP WANTED****GOOD MEN**

When you need good men,  
skilled or unskilled, Write:

**THOS. H.  
BAMBRICK**

34 South 7th Street      Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-  
awake representative in every town  
in the land. Good commission paid  
on advertising and subscriptions. If  
you are ambitious, write for terms.

**SITUATIONS WANTED**

WANTED SITUATION—As forester or  
park foreman. Good references. Address  
B, care HORTICULTURE, 11 Hamilton  
Place, Boston.

**FOR SALE**

FOR SALE—Retail nursery, sixth year,  
doing good, steady and increasing trade.  
Stock in excellent condition. Only local  
supply for community of 50,000. For  
particulars address R. N., care HORTI-  
CULTURE, Boston.

FOR SALE—An old-established retail  
plant business in fine location. All health  
reasons for selling. A splendid opportunity.  
For particulars address Miss La Rochelle,  
5th Ave. and 22d St., New York City.

REFRIGERATOR FOR SALE—8 x 6 x 10  
—Ornamental, excellent condition. Built  
for first-class retail trade. Suited to  
wholesale, also. Fernery, 14 West 33rd  
St., New York City.

\$7200 will buy three greenhouses, two  
acres and a house. Thirty minutes from  
Thirty-fourth Street ferry. Call or write  
to John Josinsky, 420 East 5th Street,  
New York City.

## List of Advertisers

Page	Page
Advance, The Co. 499	McKellar Charles W. 488
American Nursery 472	McKissick, W. E. 488
Ameri an Nursery Co. 472	McManus Jas. 490
Aschmann G. 490	Meyer J. C. & Co. 471
Atlanta Floral Co. 486	Michell H. F. Co. 487
Barker F. C. & Co. 491	Michigan Cut Flower
Bambrick Thos. H. 495	Exchange 491
Barrows H. H. & Son 470	Millang Bros. 490
Bassett & Washburn 483	Millang Frank 491
Bayersdorfer H. & Co. 487	Mitting, A. 485
Bay State Nurseries 491	Moninger J. C. 499
Beaven E. A. 491	Moon Samuel C. 481
W. C. Berkert 484	Moore, Hentz & Nash 440
Berning H. G. 491	Morel Bros. 483
Blodgood Nurseries 472	Mo re-Livingston Co. 487
Boddington A. T. 485	Morse C. C. & Co. 48
Boston Florist Letter	Murdoch J. B. & Co. 488
Co. 487	Murray Samuel 486
Boston Plate and Win-	New England Nur-
dow Glass Co. 498	series 472
Bostrom-Brady Mfg.	Niessen Leo Co. 488
Co. 489	North Carolina Ever-
Braslan Seed Growers	green Co. 488
Co. 485	Oechslein Frank 478
Breck Joseph & Sons 485	Ordenez Bros. 471
Brettmeyer's J. Sons 486	Ouwkerk P. 472
Briggeman's Seed	Palethorpe P. R. Co. 497
Warehouse 485	Park Floral Co. 486
Budlong J. A. 488	Parshelsky Bros. 498
Burpee W. A. & Co. 485	Payne John A. 498
Carrillo & Baldwin 471	Pennock-Meehan Co. 488
Castle Co. 498	Perkins St. Nurseries 470
Chicago Carnation	Pierce F. O. Co. 498
Co. 483	Pierston, A. N. 470
Clarke's David, Sons 486	Pierston F. R. Co. 480
Cleary's Horticultural	Pierston U Bar Co. 500
Co. 472	Poehlmann Bros. Co. 488
Cook H. A. & Son 483	Pratt B. G. Co. 497
Cotsonas Geo. & Co. 491	Pulverized Manure Co. 484
Cowee W. J. 491	Quaker City Machine
Craig, Robt. Co. 483	Co. 499
Crawback Geo. W. 491	Quinlan P. R. 483
Dingee & Conard Co. 472	Raynor John I. 490
Doane Geo. B. & Son 499	Rea Frederic J. 491
Dorner F. Sons & Co. 483	Red Rose Farms and
Dorrance Benj. 497	Nurseries 472
Dreer H. A. 471-497	Reed & Keller 491
Dunlop John H. 486	Reinberg Peter 488
Dysart R. J. 487	Ribsam Carlman 472
Edwards Folding Box	Rice Bros. 498
Co. 488	Rickards Bros. 485
Elliott Wm & Sons 484	Robinson H. M. & Co. 488
Elm City Nurs'y Co. 472	Rock Wm. L. Flo. Co. 486
Ester J. G. 499	Roehrs Julius Co. 471
Ernest W. H. 482	Roper Albert 481
Eyres 48	Roland, Thomas 483
Farquhar R. & J. & Co. 484	Rolker August & Sons 482
Fearlich J. S. 490	Rose Hill Nurseries 483
F. & F. Nurseries Dept 472	Saltford Geo. 490
Fiske, H. E. Seed Co. 485-497	Sander & Son 471
Foley Mfg. Co. 490	Schultheis Anton 481
Ford Bros. 490	Schulz Jacob 487
Froment H. E. 490	Scott, John 470
Galvin Thos. F. 486	Sharp, Partridge & Co. 498
German Kali Works 484	Sheridan W. F. 490
Green Chas. H. 483	Shinn's, Warren Nur-
Greater N.Y. Florists' 491	very Stock 481
Association 491	Siggers & Siggers 490
Grey T. J. Co. 485	Simpson Robt. 484
Growers' Cut Flower	Situations & Wants 496
Co. 490	Slinn B. S. Jr. 490
Gude Bros. Co. 486	Smyth Wm. J. 486
Guttman Alex. J. 490	Standard Plate Glass
Hall Asso. 499	Co. 498
Hartmann Hjalmar &	Stearns A. T. Lumber
Co. 485	Co. 499
Hauswirth M. C. & J. E. 486	Stump & Walter Co. 497
Heacock Joseph 481	Thorburn J. M. & Co. 485
Herbert David & Son 483	Totty Chas. H. 483
Hews A. H. & Co. 482	Traendly & Schenck 490
Hilfinger Bros. 482	Troy J. H. 472
Hill, The E. G. Co. 470-472	Twomey D. J. 472
Hoffman 487	Valentine, J. A. 496
Horan E. C. 490	Vincent R. Jr. & Sons, 483-484
Houghton & Clark 486	Walsh M. H. 481
Hippard F. 498	Waterer John & Sons 472
Hunt E. H. 497	Watson, G. C. 472
Kentucky Tobacco	Weathered Co. 490
Product Co. 496	Weber F. C. 486
Krovan The Co. 491	Welch Bros. 488
Kessler, P. F. 490	Weigel & Ujalussy 491
King Cons. Co. 498	Wertheimer Bros. 470
Klokner Alexander 488	Whilldin Pottery Co. 482
Kroeschell Bros. Co. 499	Wilson 486
Kuebler Wm H. 491	Winterson, E. F. Co. 488
Lager & Hurrell 471	Withold Geo. Co. 470
Langjahr, Alfred H. 490	Wood Bros. 483
Leuthy A. & Co. 470	Woodrow, Sam'l A. 491
Lord & Burnham Co. 500	Yokohama Nursery Co. 483
Lutton W. H. 499	Young A. L. 491
Manda Jos. A. 471	Young John 491
MacMullin E. A. 486	Young & Nugent 486
Mathews Wm. 471	Zangen O. V. 485
McCarthy N. F. & Co. 487-491	Zinn Julius A. 486
McConnell Alex. 486	Zirngiebel A. 483
	Zvolanek A. C. 485

NOW IS THE TIME TO USE



# DREER'S

## Peerless Glazing Point

(Improved Van Reyper Perfect)

Made of Calvanized Wire and Will Not Rust

This point has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

### BOTH BEVELS ON SAME SIDE

A point made on any other principle will twist in driving and cramp or crack the glass. Drear's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

**IF YOU ARE BUILDING** Let us know the thickness of glass you intend using and we will send samples of the size point needed.

**HENRY A. DREER, 714 CHESTNUT ST., PHILADELPHIA, PA.**

DON'T EXPERIMENT

USE

## To-Bak-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

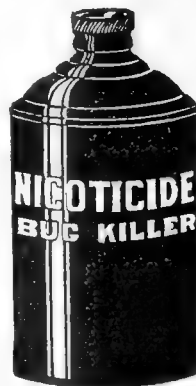
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



The Best  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

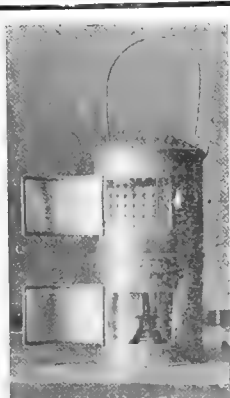
## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK



This  
Kills  
Mildew  
Every  
Time

For particu-  
lars write

BENJAMIN DORRANCE  
ROSE GROWERS  
DORRANCETON, - - PENNA.

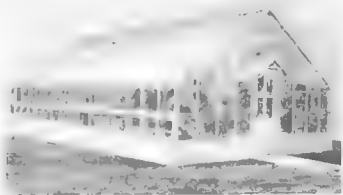
## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUNGICATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. \$1.00, 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

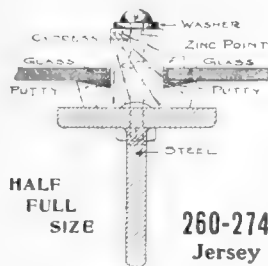
IN ORDERING GOODS PLEASE  
MENTION HORTICULTURE.



## The "T" Bar Curved Eave Greenhouse

Is absolutely dripless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed - all steel inside, all wood outside.

Greenhouses of Every Type



**JOHN  
A.  
PAYNE**

Greenhouse  
Designer and  
Builder

260-274 Culver Ave.  
Jersey City, N. J.

### GREENHOUSES BUILDING OR CONTEMPLATED.

Reading, Pa. R. Nagle, three houses.  
Amherst, Mass.—J. W. Patterson,  
one house.

Charlotte, N. C.—Edward Scholtz,  
one house.

McAlester, Okla.—Weaver & Miller,  
one house.

Needham, Mass.—Edw. E. Rimmele,  
one house.

San Francisco, Calif. Thos. Hooper,  
tern house.

Sterling, Ill.—Sterling Floral Co.,  
one house.

St. Louis, Mo.—Ellison Floral Co.,  
one house.

Pittsfield, Mass.—R. Engleman,  
house 15x40.

N. Milwaukee, Wis.—Nic. Zweifel,  
house 28x200.

Brookline, Mass.—F. E. Hanley, vio-  
let house, 40x100.

Kansas City, Mo.—C. L. Besser, two  
carnation houses.

Hollywood, Calif.—El Reah Nursery,  
rose house 45x300.

St. John, N. B.—McLean & Charlton,  
carnation house 25x80; D. McIntosh &  
Son, improvements.

Newark, N. J.—Linden Avenue  
Greenhouses, range of houses; Kim-  
merle & Minder, house 25x135.

## THE PEERLESS REPAIR CLAMP



**MADE OF ZINC**

To Mend Cracked Glass Immediately and  
Permanently

Trade Name: Peerless Repair Clamps.  
A. KLOKNER, Wauwatosa, Wis.

## The CASTLE SPECIALTIES

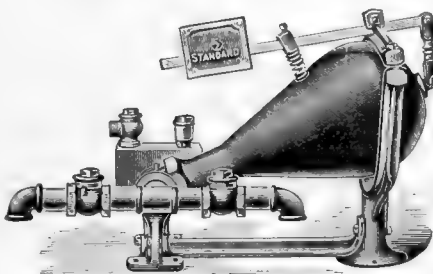
For full description of the **AUTOMATIC CIRCULATOR** and the **CASTLE TUBE AND PIPE COUPLING** for Steam or Hot Water, see issue of **HORTICULTURE** for September 26. The Coupler is the simplest device for repairing a defective pipe and makes at once a **Flexible Expansion Joint**. Sample Couplers forwarded at 50c each.

### THE CASTLE COMPANY

Heating Engineers

170 Summer St., Boston

## THE STANDARD STEAM TRAP



Is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

## GREENHOUSE GLASS

JOBBER AND DEALERS IN

**Plate and Window Glass**

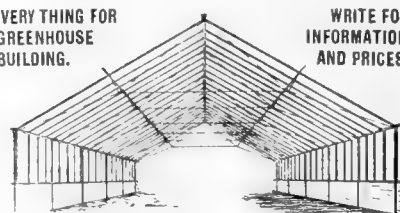
Write for Our Prices

**PARSHELSKY BROS.**

59 Montrose Ave., BROOKLYN, N. Y.

EVERY THING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.  
**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

BOSTON PLATE & WINDOW GLASS CO.

**GREENHOUSE GLASS**

German and American

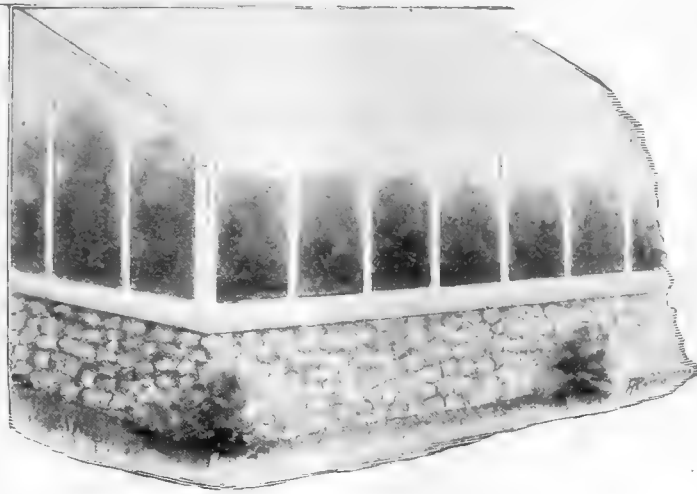
261 to 287 A St., Boston 20-22 Canal St.

In ordering goods please add  
"I saw it in HORTICULTURE."

## MASTICA



FOR  
Greenhouse Glazing  
**USE IT NOW.**  
**F. O. PIERCE CO.**  
12 W. Broadway and  
227 Greenwich St.  
NEW YORK



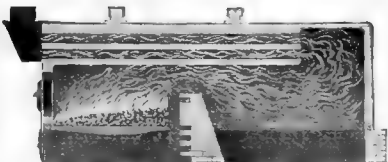
### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and builder

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made  
SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Is no cheap John machine. It is made of the best material in a mechanical manner and only needs your trial to show you how much better it is than any other on the market. One price to all, with moderate profits, lasting qualities, neatness and a pleasure to have. We guarantee satisfaction or no sale. Free estimates.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

# THE FOLEY MFG. CO.

**CHICAGO**

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE 25th and 26th STS., CHICAGO**

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**GREENHOUSE CONSTRUCTION**  
**LUMBER**

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style cillow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.  
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

JUST ABOUT THIS TIME LAST YEAR WE WERE HEAD OVER HEELS, TRYING TO SHIP BURNHAM BOILERS ON TIME. THIS YEAR WE INCREASED OUR PLANT,

and just about caught up with our business, so now we can make you a prompt shipment on a hurry order—generally loading the boiler on the cars the same day. So don't trust your old worn out boiler—it may freeze you out any night later on. Buy a Burnham—Now.

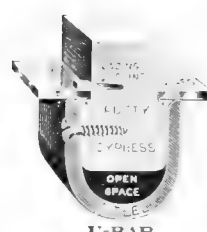
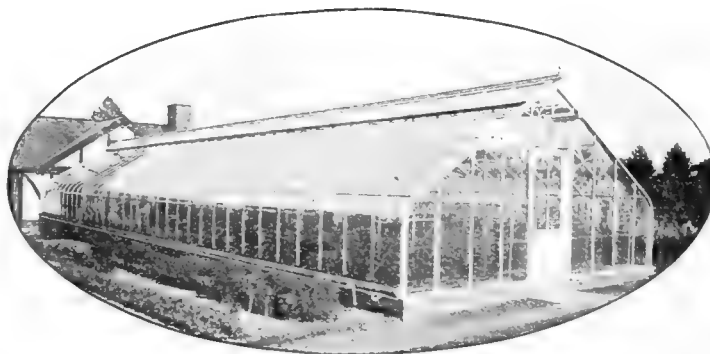
### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:  
819 Tremont Building

PHILADELPHIA:  
1215 Filbert St.



## WHAT THE U-BAR DOES

We might boil it down to five words — **Makes lightest house; increases endurance.**  
All the arguments of all the greenhouse concerns hinge on **our five words.**

When a house becomes a standard for comparison—such as "It is nearly as light as the U-Bar." or "It is not as rigid as the U-Bar house," it is because the U-Bar construction is conceded to be in advance of all others. It is the ideal construction for private estates, parks, public institutions and florists' show rooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK



# HORTICULTURE

Vol. VIII. OCTOBER 17, 1908 No. 16



ARTIFICIAL LAKE AND WATERFALL  
J. B. Duke Estate, Somerville, N. J.

Devoted to the  
*FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER*  
and  
*Kindred Interests*

Published  
*EVERY SATURDAY*  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# GERANIUMS

## New Price List Now Ready

We have an immense stock ready for immediate shipment; fine plants from 2 in. pots at \$2.00 per 100 and up.

We will send *one thousand, 50 each of 20 varieties*, our selection, all good kinds, for \$18.50; *Five hundred, 25 of a kind*, for \$9.50. *Cash with Order.*

Our collection is the **LARGEST IN THE COUNTRY**, including the best Standards and New Varieties.

Write us your wants and we may be able to make you very interesting **SPECIAL PRICES.**

**R. VINCENT, JR & SONS CO., White Marsh, Md.**

## RAMBLER ROSES FOR FORCING

Including *Lady Gay, Hiawatha, Delight, Sweetheart*; two and three year old stock, first quality plan's. Also the **new famous French rose The Lyon**, a grand forcing rose; and *Harry Kirk*, the yellow everblooming Tea, novelties of the highest merit.

**M. H. WALSH**

*Rose Specialist*

**WOODS HOLE, MASS.**

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

PRICES  
Rooted Cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 500, 35 00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL**

## GRAFTED ROSES

**Special Bargain Sale  
EXTRA FINE STOCK**

**KILLARNEY, CARNOT, KAISERIN, BRIDE, BRIDESMAID, LA FRANCE**

From 3-inch Pots.  
\$2.00 per doz. \$12.00 per 100. \$100.00 per 1000

**Strong OWN ROOT Plants.**

**KILLARNEY, KAISERIN, RICHMOND, PERLE**

From 3-inch Pots. \$7.00 per 100

**BRIDE, BRIDESMAID,**

From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000  
**FIELD GROWN CARNATIONS HEALTHY STOCK**

Per 100 Per 1000  
Winsor and White Enchantress... \$8.00 \$75.00  
Helen M. Gould... 6.00 50.00  
Daheim... 6.00 55.00  
Lady Bountiful... 6.00

**WOOD BROTHERS, Fishkill, N.Y.**

## ANDREW CARNEGIE SCARLET HAWLOWARDEN

**FINE PLANTS**

**\$12.00 per 100, \$100.00 per 1000**

**CHICAGO CARNATION CO.**

A. T. PYFER, Mgr. JOLIET, ILL.

## CARNATIONS, STRONG PLANTS

Nelson Fisher, Harry Fenn, first size, \$5.00; second size \$3.00 per 100. Daisy Bells, \$2.50 per 1000. Cash.

**CHAS H. GREEN, Spencer, Mass**

## GARNATIONS

Winona, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

**F. DORNER & SONS CO. La Fayette, Ind.**

**CHAS. H. TOTTY  
Chrysanthemums  
MADISON, N. J.**

## Gloire de Lorraine Begonia

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,  
Nahant, Mass.**

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS  
COLLEGE POINT, NEW YORK**

## ZIRNGIEBEL'S FINE STRAIN

OF  
**PANSY PLANTS**

NOW READY. Known for a quarter of a century. \$4.00 per 1000, 50 cents per 100.

**AUGUSTUS ZIRNGIEBEL,  
Cash with the order. NEEDHAM, Mass.**

## ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## New Red Helenium

**H. Autumnale Superbum Rubrum**

Tall Growing. Fall Flowering.  
Color terra-cotta Red.

First-Class Certificate Mass. Horticultural Society.

Fine plants, \$8.00 per 100

**FREDERIC J. REA,  
NORWOOD, MASS.**

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,  
Successors to L. K. Peacock, Inc.  
ATCO, N.J.**

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES  
PLANTS  
BAMBOO STAKES**

# PEONIES

Special Prices for  
OCTOBER Delivery

We offer for delivery during October the following select list of **HARDY HERBACEOUS PEONIES**, of which we have an exceptionally large stock of our own growing, strictly true to description; all in strong divisions, with from 3 to 5 eyes each.

Note reduction in price of many of the higher class varieties compared to former offers.

	Per doz.	100	1000
<b>Alba Plena</b> —A useful white cut flower variety.....	\$1.50	\$10.00	\$30.00
<b>Andre Lauries</b> —A fine tyrian rose; late.....	.85	6.00	50.00
<b>Alex. Verschaffelt</b> —Bright reddish violet, tipped white..	2.00	15.00	
<b>Amabilis Lilacina</b> —Pale lilac white, changing to pure white.....	.85	6.00	50.00
<b>Baroness Rothschild</b> —Violet rose, with lighter shadings..	1.25	8.00	75.00
<b>Bicolor</b> —Violet rose, with white center.....	.85	6.00	50.00
<b>Chrysanthemiflora Rosea</b> —A fine large deep rose pink, with paler shadings in the center; early.....	.85	6.00	50.00
<b>Duc de Cazes</b> —Guard petals tyrian rose, center soft rose-pink. A beautifully formed flower.....	1.25	8.00	75.00
<b>Duchesse de Nemours</b> —An extra fine large pure white..	3.50	25.00	
<b>Delachel</b> —Brilliant crimson maroon; late.....	1.50	10.00	90.00
<b>Festiva Maxima</b> —Pure white, center petals occasionally tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
<b>Festiva Alba</b> —Popular white for cutting.....	1.50	10.00	90.00
<b>Floral Treasure</b> —Clear pink; fragrant.....	2.50	20.00	
<b>Grandiflora Alba</b> —Large pure white, with creamy white center.....	2.00	15.00	
<b>Grandiflora Rosea</b> —Bright rosy carmine, large and double.....	2.50	20.00	
<b>Grandiflora Rubra</b> —Deep crimson carmine, large and full.....	1.75	12.00	
<b>Humei Rosea</b> —Beautiful pale rose, flowers of immense size; late.....	1.50	0.00	90.00
<b>Lady Bramwell</b> —A beautiful silvery rose of large size and fine form.....	1.50	10.00	90.00
<b>Louis Van Houtte</b> —Brilliant crimson maroon of good size.....	1.50	10.00	90.00
<b>Ne Plus Ultra</b> —Violet rose guard petals, mauve rose center.....	1.00	7.00	60.00
<b>Pottali Rosea</b> —Light Sollerino red, with lighter center. A medium-sized but well built flower.....	1.50	10.00	90.00
<b>Prolifera Bicolor</b> —Fresh white with amber yellow center.....	1.25	8.00	75.00
<b>Psyche</b> —Bright violet rose, with lighter center.....	.85	6.00	50.00
<b>Rosea Superba</b> —Fine silvery rose of large size.....	1.25	8.00	75.00
<b>Reine des Roses</b> —Soft violet rose, large double flower....	2.00	15.00	
<b>Rosea Elegans</b> —Guard petals silvery rose, creamy white center suffused with rose; a fine large flower.....	1.25	8.00	75.00
<b>Victoire Tricolore</b> —Guard petals delicate lilac rose, center light salmon yellow.....	1.25	8.00	75.00
<b>Victoire Modeste</b> —Bright lilac rose, with full center of amber white.....	1.50	10.00	90.00
<b>Whitley Plena</b> —A fine early white.....	1.50	10.00	90.00
<b>Zoe Calot</b> —White, suffused with delicate rose.....	1.50	10.00	90.00



Peonies in Mixture

	Per doz.	100	1000
<b>Officialis (Mutabilis) Alba</b> —Blush white.....	\$1.50	\$10.00	
<b>Officialis (Mutabilis) Rosea</b> —Soft pink.....	1.50	10.00	
<b>Officialis Rubra</b> —Crimson.....	1.00	7.00	
<b>Tenifolia flore plena</b> —Crimson.....	3.00	22.50	

	Per doz.	100	1000
<b>Double White</b> mixed sorts.....	\$0.75	\$6.00	\$50.00
<b>Double Pink</b> (mixed sorts).....	.75	5.00	40.00
<b>Double Red</b> (mixed sorts).....	.75	6.00	50.00
<b>Double Mixed</b> (all colors).....	.75	5.00	40.00
<b>Single Mixed</b> (all colors).....	1.25	8.00	75.00
<b>Single Pink</b> (mixed sorts).....	.85	6.00	50.00

## Peonies, Early Flowering

For a complete list of Hardy Plants suitable for fall planting, including our specialties, Phlox, Iris, Tritomas, Anemones, etc., see our Fall catalogue. If you have not received a copy, write for same.

**HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.**

## BARGAINS

in KENTIAS and other Decorative Plants, all sizes. Also the following at **Lowest Import Prices**. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengerii.

### SMALL FERNS

for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

**GODFREY ASCHMANN**

1012 West Ontario St., Phila., Pa.

## FERNS FOR DISHES

Assorted Varieties

From 2-in. pots, \$3.00 per 100;  
\$25.00 per 1000.

**Primroses, Chinese**—Nice assortment of colors. 2 1/4 in. pots, \$3 per 100; 3 1/2 in. pots, \$5 per 100.

**Primula Obconica**, Fine stock, 2 1/2 in. pots, \$3.00 per 100.

**Cineraria**—Dwarf, large flowering, 2 1/2 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100.

Cash with Order.

**FRANK OECHSLIN,**

2570-2606 W. Adams Street, CHICAGO  
Formerly Garfield Park Flower Co.

## NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c. and \$1

Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

## PALMS

**JOSEPH HEACOCK COMPANY**

WYNCOTE, PA.

For Price List see page 440, Oct. 3rd.

**A. N. PIERSON, Inc.**

CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

Prices Quoted in these Columns are for Dealers Only. When Writing to Advertisers Please Mention HORTICULTURE.



## Home Grown Tulips



Planting Offsets.



Young Tulips in Bloom.

It is generally understood that tulip bulb growing in the States cannot, under present conditions, be an attractive commercial proposition for many reasons,—the cost of labor, cost of advertising—you must advertise to sell—the percentage of loss, and the formidable competition of the foreign product.

The item of labor, however, is the insurmountable obstacle that spells failure. Prices for labor as paid here compared with the daily wage of Holland and again the cost of the product landed here, duty paid, would be sufficiently convincing to show to anyone desiring to enter the field, that the attempt might lead his footsteps along a shady lane to a little house where they served free soup and the town paid the bills. Yet, while this is absolutely true in relation to a commercial enterprise there are occasions where a man can successfully and economically increase his stock of bulbs with but little effort and a margin on the right side, by working on his old bulbs.

Tulips propagate themselves by sending out "offsets," that is, little tulips from the bottom of the old bulb. These offsets if broken off and planted successively for two or three seasons will make first-sized bulbs. The method of treatment is simplicity itself. Simply the breaking off the sets and scattering them on the ground and covering them with two inches of earth. They may be covered with boughs after the ground has frozen or they may be left as they are. In the spring they may be lifted if the ground is needed, or they may be left in the ground. The lifting is preferable. No technical skill is required to do this work. A small boy can do it, every bit of it. Or the small boy can break off the "sets" and the man in an off time can plant them. Many Dutchmen with whom I have spoken have laughed at the suggestion of successfully growing bulbs under conditions as I stated them but as I once lived in Missouri I prepared comparative pictures which conclusively proved that even some first-year offsets threw good-sized flowers.

The late Superintendent William Doogue of Boston did this work most successfully and economically at the City Greenhouses in Dorchester. Women were em-

ployed at certain seasons to clean the bulbs and the number of bulbs they cleaned and the rapidity with which they worked made it a short operation. The work of planting was performed by men. One year in the Public Garden the tulips grown in this manner were used almost exclusively on the outlying beds and compared very favorably with the imported product.

I know there will be many that will smile at the suggestion but the possibility of economical handling of tulips is a fact and the two pictures accompanying this article show the planting in the fall and the resulting bloom in the spring. As can be seen in the picture where the men are planting, the "offsets" are very small almost too small to throw the flowers that are shown in the companion picture.

The fact of increased price of Holland tulips is not generally considered but it is a fact, nevertheless, that in coming years the Dutchmen will be obliged to ask more for their bulbs because of increased price of land for growing owing to the encroachment of buildings and the impoverishment and worked-out condition of what was formerly most desirable and high priced land. All bulbous stuff has a tendency towards disease and to this is due the abandonment of many bulb growing districts.

## Yucca Filamentosa in Water Scenery

*Yucca filamentosa* is a noble plant when in bloom, whatever position it may be given in the garden and is as hardy and contented at all times and under all conditions as it is noble. Our cover illustration shows an instance of its use in plantations adjacent to water, something not often seen but certainly quite effective as here displayed. The far-famed country seat of J. B. Duke at Somerville, N. J., where this picture was taken abounds in beautiful and suggestive gardening examples and we shall have some more to present from time to time.



# HORTICULTURE

VOL. VIII

OCTOBER 17, 1908

NO. 16

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

Page

COVER ILLUSTRATION—Artificial Lake and Waterfall.	
HOME GROWN TULIPS—Luke J. Doogue—Illustrated.	505
YUCCA FILAMENTOSA IN WATER SCENERY.....	505
HORTICULTURE AT THE FRANCO-BRITISH EXHIBITION—C. Harman Payne.....	507
DENDROBIUM PHALAENOPSIS—M. J. Pope—Illustrated .....	507
NEWS OF THE CLUBS AND SOCIETIES:	
Gardeners' and Florists' Club of Baltimore—Gardeners' and Florists' Club of Boston—Detroit Florists' Club—New York Florists' Club—Pittsburgh Florists' and Gardeners' Club—Florists' Club of Washington .....	508
Chrysanthemum Society of America—St. Louis Florists' Club—Society of American Florists—Worcester County Horticultural Society—New Jersey Floricultural Society—Massachusetts Horticultural Society .....	509
Club and Society Notes—Coming Events.....	510
OBITUARY—Charles Storer .....	510
THE ADAPTATION OF SOIL TO VARIETIES AND ITS APPLICATION TO INDOOR CULTIVATION—Gustavus B. Maynadier.....	511
A DREER DECORATION Illustrated .....	511
THE HOME OF CARNATION O. P. BASSETT—Illustrated .....	513
"SHADE GARDEN" OF THE CASTLE LIESER—Translated .....	514
LIBRARY NOTES—C. Harman Payne.....	515
SEED TRADE .....	516
FLOWER MARKET REPORTS:	
Baltimore, Boston, Buffalo, Chicago, Indianapolis, Philadelphia, Washington .....	521
New York .....	523
MISCELLANEOUS:	
Publications Received .....	510
Denison Civic Improvement League.....	510
A Perpetual Blooming Rambler Rose.....	513
News Notes .....	519
Protecting Pine Plantations Against Gypsy Moth..	515
Reconstruction of Swiss Vineyards.....	515
A New Color Chart C. H. Payne.....	515
Catalogues Received .....	516
Personal .....	518
Steamer Departures .....	518
Philadelphia Notes .....	519
New Retail Flower Stores.....	519
Business Changes .....	519
Personals from Flatbush.....	523
Farm Implements in Tasmania.....	528
Greenhouses Building or Contemplated.....	530
Fire Record .....	530
Patents Granted .....	530

sumed under existing conditions are most creditable and speak volumes for the devotion and love for their art which characterizes so many both in and outside of the horticultural profession. We here repeat our belief, often expressed heretofore, in the possibility of making every exhibition a financial success by catering to a greater extent to the tastes and fads of the public as they come and go. Of what practical value are our high standards if nobody takes any interest in them? The first step towards the education of the public in horticulture and its products which is the avowed purpose of our exhibitions is to get the public in. As our genial philosopher and sapient judge of human nature, John Westcott, would say—if you want to keep a school you must first get your scholars.

Where  
standards  
are needed

The request on behalf of one of the horticultural societies in a recent issue of HORTICULTURE for suggestions as to scales of points to be used in judging exhibits of floral decorative arrangements is a good sign, indicating that the promoters of the flower shows are alive to the situation and that a sentiment favorable to doing more in the line of direct appeal for the public interest is gaining ground. The desirability of encouraging to a greater extent than heretofore, competition in floral design work, being now apparent it is in order for those who wish to help towards a revival of public interest in our shows through this medium to give careful consideration to ways and means whereby it may be carried out. Some common standard whereby uniformity of judging may be assured is a first requirement if we are to avoid dissatisfaction and discord at the very outset and so direct the current that the most proficient artists in floral work may be induced to take an active interest—something which they have with remarkable unanimity held aloof from up to the present time. Uniform standards and consistent verdicts can hardly be expected until some carefully considered code has been adopted.

What shall the  
harvest be?

What is the prospect for business this season? This is the question most frequently heard among seedsmen, nurserymen and florists of all persuasions and it is variously answered. As a rule the belief seems to obtain that a general revival of activity is in sight and that with the passing of the political contests "good times" will once more prevail. This spirit of optimism is in itself the most encouraging sign and if well backed up by the taking off of coats and getting busy is sure to help materially towards the desired end. It is encouraging to learn from the nurserymen that very heavy orders for next spring are in sight and that the movement of stock next season promises to be the largest on record, also from the seedsmen that the fall demand for bulbs has been satisfactory and that the supply on some varieties is already exhausted. The season for the florist has not really started yet but there is no reason to doubt that he will come out all right. It seems inevitable, however, that for a few of his products, at least, he must be prepared to accept lower prices than have prevailed in the past. This is not due so much to the general business conditions as to the course of development and the reaching of levels in his own business. A little more watchfulness in the expense account and a little more skill in planning and operating will be required and the dividing space between high efficiency and mediocrity will be still further widened. Rest assured that good business is in waiting for the man who goes after it right.

Playing to win  
The exhibition season which is now about to open promises a pretty full list of shows in all sections of the country notwithstanding the rather discouraging record as to popular support in some places in the past. The persistency and determination with which the labor and responsibilities attached to these enterprises are as-

## Horticulture at the Franco-British Exhibition

V

### FRUIT AND FRUIT TREES

All the fruit exhibited here is of course under cover and is mostly found in the great buildings devoted to the produce of the English colonies. It is remarkable that by far the greater number of colonial fruit is limited to apples although among the fresh fruits there are a few pears, but still apples are to be found in an overwhelming majority.

At the temporary Fruit and Flower Show of June 24th held in the Palace of Music there were several noteworthy exhibits of fruit. The Government of South Australia staged some bright, well colored specimens of apples. The Forceries de la Seine staged peaches in baskets; the variety was *Precoce de Hall*. They also showed nectarines.

A fine show of fruit trees in pots came from T. Rivers & Son; among them were nectarines *Early Rivers* and *Dryden*; plums, *Blue Rock*, *The Czar* and *Early Prolific*; peaches, *Royal George*, *Dagmar*, *Dr. Hogg*, *Perquine* (new), *Early York*; cherries, *May Duke*, *Bigarreau de Schreken*. *George Bunyard & Co.* showed strawberries as did *Millet & Son* of *Bourg-la-reine* who had about 50 varieties in boxes.

In the permanent exhibits, by far the most imposing display is that made by the Dominion of Canada. In a large space inside their building we find a painted picture representing a view in an apple orchard such as can be seen in many parts of Canada. The time is the apple harvest and the pickers are busy at work gathering and packing the fruit. In front of this and enclosed within a railing is a large number of tables upon which stand plates of the different Canadian varieties. At each end of this exhibit which is 57 feet long are shelves holding bottles of many kinds of preserved fruits.

In the Australian Palace, each colony has a section to itself. That of Victoria contains many samples of dried and preserved fruits of all kinds. Apples of course in quantity. Tasmania has also an exhibit of apples. South Australia has a fine lot of dried and bottled fruits, raisins, currants, prunes, apricots, sultanas, nectarines, etc. In the department of Western Australia the show is not so fine. There are a few unnamed varieties of apples grown in the region of *Preston River*. New Zealand shows some nice specimens of apples and pears in very presentable form. These are set up in small pyramids on plates in a glass case.

Trained fruit trees are planted outdoors by some of the most famous of the French fruit culturists. They are arranged in two double rows along the sides of the Machinery Halls on the extreme edge of the French garden. They comprise apple, pear, peach, plum and every conceivable kind of fruit tree trained in all the fancy ways that only the French gardener seems to have the secret of. They are a source of much curiosity on the part of many visitors and are an important contribution to the display of French horticulture. The leading exhibitors are *M. Lecoq*, *Crout & Son*, *Nomblot-Bruneau*, and *Pinguet-Guindon*.

## Dendrobium Phalaenopsis



*Dendrobium Phalaenopsis* is certainly one of the most beautiful and useful orchids in cultivation and ought to be represented in every collection, however small that collection may be. It is not a difficult subject to grow and if properly treated will increase in size from year to year making pseudo-bulbs as large as and larger than those made in its native home.

Newly imported plants should be potted up at once on arrival, using a little *osmunda* fibre with an equal quantity of fresh sphagnum moss as compost. Use very small, common flower pots with three holes in them for suspending, filling about two-thirds with small crocks, then put the plants in position and tie to the wires used for suspending; pack the peat and moss firmly around the base of the plant, taking care not to cover up the eyes. All old roots should first be cut away. Then the plants are hung up near the roof of a moderately warm house where they can be syringed every bright day.

Towards spring nearly every dormant eye will break away freely but the treatment is not changed until the new growths have made a good headway and when the new roots appear the plants are moved in to their growing quarters, which should be the hottest place obtainable and then the amount of water given is gradually increased until the roots have taken a firm hold of the compost. From that time until the flowers have faded or have been cut plenty of water must be given and a dip in weak manure water once a week will greatly help to build up strong pseudo-bulbs and long flower-spikes, with flowers of good substance and lasting quality. After flowering the plants are removed back to cooler quarters a night temperature of 55 degrees suiting them well during the winter, and very little water, only enough to keep the plants from shrivelling, is given until they start to grow again and the treatment above described is repeated.

Chasman Payne

M. J. Ope

## NEWS OF THE CLUBS AND SOCIETIES.

### GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

The Gardeners' and Florists' Club had one of the best attended and most interesting meetings that has been had for some time. Some disappointment was manifest upon receipt of a telegram from Mr. Guille of Portsmouth, Va., who was slated to give a talk on Virginia grown bulbs, stating his inability to be present owing to pressing business conditions. Mr. Israel Rosnosky of Philadelphia who was present as a visitor was pressed into service and gave a very interesting talk on the Formosa lily, which elicited a vote of thanks from the club.

Under the head of new business ensued a discussion on the desirability of having a club badge or emblem, that might be worn in any place upon any occasion so that members of the craft might readily recognize each other although strangers. In opening the discussion the Secretary said in part: "It has often occurred to me that while most other fraternal and business organizations have their respective emblems, we, a body of men scattered over the whole world, including a large part of the United States, have no distinguishing emblem. Surely a permanent emblem could be devised for the fraternity—the whole brotherhood that some of us would not blush to wear.

"With Job gone into innocuous desuetude, and George Watson—genial George—gone to seed, and Patrick O'Mara—where is Patrick? John Birnie—inflammable John—alone is left to tell the tale. Whither can we turn for advice except to some of those strenuous youngsters Harris, Kift, Stewart, Lonsdale, et al.? They might get their heads together and devise something that would meet the approval of the fraternity."

A little more fraternization would work no injury to the craft neither socially, morally nor financially. After a free discussion the question was left open for future consideration.

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, October 20, 1908, at 8 o'clock. William Davis, president of the club, will speak on "Fruit Culture under Glass." There will be interesting exhibits of orchids, chrysanthemums and other seasonal flowers and a enjoyable evening will be spent by all who attend.

W. N. CRAIG.

### DETROIT FLORISTS' CLUB.

The next meeting of the club was held on Tuesday evening, October 13, 1908, at 8 o'clock. The following members who had been disinterested have been reinstated. A committee consisting of Messrs. Dilger, Flowerday and Sullivan were present. A boiler inspector. The latter wants to enforce a law which demands that every boiler in the city be inspected every year. The club has eleven pounds of steam coal. The club has a class of 119 members.

### NEW YORK FLORISTS' CLUB.

There was a good attendance at the October meeting of the New York Florists' Club last Monday evening. Antoine Wintzer of West Grove, Pa., read a fine paper on Hardy Clematises and other useful Vines and Shrubs, and brought an exhibit of climbing roses, Lonicera Heckrotti, L. Hendersonii, etc., from the Conard & Jones Company nurseries.

After the reading of resolutions on the death of A. D. Rose and Alexander Wallace by W. F. Sheridan and J. Austin Shaw, respectively, the matter of transportation to Chicago on the occasion of the National Flower Show was opened up by Patrick O'Mara on behalf of the committee in charge and a long debate followed, participated in by many members on the comparative advantages of the various routes. It transpired that the varying interests of those who go as exhibitors, having their exhibits with them, and those who go merely as visitors, may not be conducive to getting the entire New York party on the same train but the matter was finally left in the hands of the transportation committee for decision. A request from the National Flower Show Committee for the appointment of three judges was received and in compliance President Weathered named Messrs. C. H. Totty, of Madison, N. J.; Wm. Eccles, Oyster Bay, and Harry Turner, Port Washington.

The following is a list of the exhibits of the evening with the awards as recommended by the judges: C. H. Totty, chrysanthemums White Cloud, Wm. Meredith, Beatrice May, C. H. Totty, Yellow Sport from Mrs. J. A. Miller, George Mileham, Ongawa and Leon Truelle; certificate of merit for C. H. Totty, Yellow Sport and George Mileham. Hartman & Wagenfohr, Woodside, Pompon chrysanthemums, cultural certificate. J. D. Cockerott, Northport, carnation Georgia and Pink Sport from Glory of Pacific chrysanthemum; preliminary certificate for Georgia. W. A. Manda, Salvia cucantha, vote of thanks. Conrad & Jones Co., shrub flowers and fruit, vote of thanks.

It was voted that the entertainment committee make preparations for a smoker to be held some time in November. Secretary Young gave notice of a motion to fix the life membership at \$50. Mr. Marshall announced that the bowling club would meet regularly at the Green Alleys, cor. Sixth Ave. and 29th Street on Wednesday evenings.

We hope to be able to publish in full, next week, Mr. Wintzer's excellent paper. Following its reading there was an interesting discussion participated in by Patrick O'Mara, Wm. Scott, and others.

As a climax to the evening's instruction and entertainment Harry Bernard just back from England, told of his impressions of his native land which he had not seen for so many years, also his regrets at having to pass Ireland without stopping off.

### PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

This club met on the evening of October 6 with a good attendance. A. W. Smith, Jr., and Samuel McClements were elected to membership. Prizes had been offered to the private gardeners of \$10 by Dr. Shafer for the best three orchid plants in bloom, and the book "The English Flower Garden" by Mrs. Russell H. Boggs for the four best varieties of herbaceous or annual flowers. For the orchid prize the competition was between David Fraser, gardener for H. C. Frick, and Frank Crook, gardener for J. H. Park, each showing Cattleya Dowiana, Cattleya labiata and Oncidium varicosum Rogersi. The committee on exhibits, Wm. Falconer, P. S. Randolph and J. W. Jones, after careful examination decided that the prize should be divided between the two exhibits as of equal merit.

Owing to the lateness of the season there was not a large display of herbaceous or annual flowers. The prize in this class went to Jas. Wiseman, gardener for D. M. Clemson, Pittsburgh. A lovely group of orchids for exhibition only was staged by Dr. Shafer, Jas. Hutchinson, gardener. The committee gave this charming group special mention. Cultural commendation was given Randolph & McClements for Yellow Polly Rose chrysanthemum, a new and excellent sport originating with this firm. H. H. Negley showed a group of cypripediums in fine and rare varieties.

H. A. Dreer showed "Dreer's White" dahlia, to which the committee gave special mention as "a magnificent, full, double, pure white flower," also a splendid exhibit of single dahlias. Special mention was given to Nephrolepis Scholzei, "a crested form of N. Scottii, shown by H. A. Dreer; a most beautifully crested form, rigid in habit and full in fronds, evidently a very desirable acquisition to our new and useful ferns."

The secretary was instructed to write a letter to B. L. Elliott extending the sympathy of the club for the recent loss of his wife.

A suggestion was made that on November 2, the day preceding the next club meeting, the members meet at Phipps Conservatories to inspect the chrysanthemum exhibit and from there make the round of the various large chrysanthemum establishments, taking lunch at Randolph & McClements. This suggestion was received with much favor and the secretary instructed to make the announcement in the next call. The subject for next meeting will be "Chrysanthemums."

H. P. JOSLIN, Sec'y.

### FLORISTS' CLUB OF WASHINGTON.

Tickets are out for the Annual Flower Show of the Florists' Club of Washington, which is to be held at the old Masonic Temple on Nov. 12, 13, 14 and 15. The doors will be open from 2 to 11 P. M. daily. Tickets of admission will be 25 cents and it is to be hoped that the flower-loving public of Washington will respond, thus helping along a most worthy cause.

## CHRYSANTHEMUM SOCIETY OF AMERICA.

Now that the chrysanthemum once more claims our notice, it seems an opportune moment to call attention to the great exhibition soon to be held in Chicago, and to impress upon the many admirers of the Queen of Autumn, the importance of lending their assistance in making this a memorable occasion in the history of the chrysanthemum in America.

It is encouraging to note the progress that has been made in the development of this charming flower, and all growers are invited to exhibit their productions at the National Flower Show, and to make this the greatest exhibition of perfect flowers that has ever been held.

This particular section is given over to the Chrysanthemum Society of America, and it is the duty of every member to see that our section is much above the average, a credit to our society, an inspiration to the general public who visit the show, and incidentally an expression of our good will for the S. A. F. under whose auspices the National Show is being held.

Send for a schedule, look over your available blooms, and enter in as many classes as possible. This will be the best means of expressing your interest in the success of the Show.

ALFRED J. LOVELESS, Pres.

### Work of Committees —Report on New Chrysanthemums.

Gloria: Jap. Inc. Color. Enchantress pink. Exhibited at New York, October 10, 1908, by Elmer D. Smith, Adrian, Mich. Scaled 85 points.

DAVID FRASER, Secretary.

### ST. LOUIS FLORIST CLUB.

The regular monthly afternoon meeting on October 8 in Bowman hall was only fairly attended. After all committees had reported the trustees were given power to secure a new hall for the next meeting. John Steidle, State Vice-President of S. A. F. and the board of trustees, will meet and arrange for transportation for those who will attend the National Flower Show at Chicago next month.

Ten applications for membership were acted on and nine of them the ballot was favorable. The names of the new members are as follows: Julius Koenig, W. H. Ossie, Louis Maurer, Henry Kahrs, O. H. Landel, L. F. Barrman, L. W. Spangler, L. W. Schiever, Sr., and L. W. Schiever, Jr. The question of holding six afternoon and six night meetings during the year brought out a big discussion. It was shown that nearly fifty employees are ready to join if night meetings were provided, and the motion was carried. The next meeting, Thursday, November 12, will therefore take place at night, the location to be made known later by the secretary.

W. C. Smith read an interesting paper on the social functions of the club and the trustees were instructed to carry out all the good suggestions it contained. One result was the organization of a Florists' Bowling Club for which ten names were secured at once, and the first practice meeting will take place next Monday night at the Marquette Hotel alleys. Anyone wishing to join can call any Monday night and give his name to Henry C. Ostertag.

## SOCIETY AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### National Flower Show.

Copies of the final premium list have been sent to all names on our mailing list with entry blanks enclosed. Those who have not received premium lists and desire them, should write at once to the secretary. The following announcement from Mr. Vaughan explains itself:

Secretary W. N. Rudd has found his time so constantly occupied at Morgan Park with S. A. F. work and personal business affairs, that I have appointed, at his suggestion, J. B. Deamud to act in the city, with the title "Superintendent of Show" with authority to select working assistants, and Mr. Deamud will take charge of detail show arrangements from date.

All correspondence regarding premium lists, entries, etc., should be addressed as usual to J. H. Burdett, Secretary, 1411 First National Bank, Chicago.

J. C. VAUGHAN,

Chairman Local Management Committee.

To obtain the co-operation of the newspaper owners of Chicago, and Presidents of park boards, President W. E. Kelley of the Horticultural Society of Chicago will give a luncheon in the Union League Club, Oct. 22. A list of daily newspaper editors prepared by James Keeley will be invited, as well as the park Presidents and directors of the Horticultural Society who include Messrs. Clarence Buckingham, John J. Glessner, Harlow N. Higinbotham, James Keeley, Victor F. Lawson, John J. Mitchell, Martin A. Ryerson, Edward G. Uihlein, Charles H. Wacker, W. E. Kelley.

JAMES H. BURDETT, Sec'y.

Just as we go to press a copy of the final premium list of the National Flower Show to be held at Chicago November 6-14, has reached us from the office of the secretary of the Flower Show. Intending exhibitors should write at once to J. H. Burdett, secretary, 1411 First National Bank Building, Chicago, to inform him of the space they probably will require and requesting a copy of the premium list. The time for staging the various exhibits and other rules as to entries, etc., are very explicit and announcement is made that they will be strictly enforced. Anyone intending to exhibit should read them carefully and comply to the letter with every condition stipulated.

### WORCESTER COUNTY HORTICULTURAL SOCIETY.

The annual fall dinner of this society was held in conjunction with the annual exhibition at Horticultural Hall, Worcester, Mass., on Oct. 8. Among the guests who made addresses were E. H. Burlingame, president, and C. W. Smith, secretary, of the Rhode Island Horticultural Society; J. Lewis Ellsworth, secretary of the State Board of Agriculture and Gen. C. W. Wood. There were about one hundred present and the occasion was, as usual, a very enjoyable one.

## NEW JERSEY FLORICULTURAL SOCIETY.

Dahlia night was observed on the 9th inst. with a very good showing of that flower besides a miscellaneous one of the season's flowers, fruits and vegetables. The principal varieties shown were the decorative sorts with only a scattering of cactus or single varieties. The favorites were, in pink, Mrs. Roosevelt; in white, Grand Duke Alexis and Perle; in red, Katherine Duer and Alaska; in crimson, Cuban Giant and President Felix Faure and many fine flowers shown were without name. The awards were as follows:

A. C. Van Gaasbeek, John Dervan, gardener, 4th for six white; 1st for six pink, 3d for six red, 1st for six crimson, 2d for twelve in variety. Walter Gray of Maplewood, 2d for six pink, and do. yellow, 1st and 2d for six red, certificate of merit for six bronze, 3d for six crimson, 2d and 3d for twenty-five in variety. Thomas A. Edison, Frank Drews, gardener, 2d for twelve in variety. S. and A. Colgate, William Read, gardener, 1st for twenty-five in variety. Charles Hathaway, Max Schneider, gardener, 1st for six white, 2d for six crimson.

Among the miscellaneous exhibits were Lager & Hurrell of Summit, collection of orchids. Charles Hathaway, a vase of celosia, four feet high for which was awarded a certificate of merit, and chrysanthemums. S. and A. Colgate, Cimelifuga simplex. Among those entered not for competition, but which added greatly to the decorative effect were vases of dahlias from Charles A. Munn, John Hayes, gardener, and T. A. Gillespie, George Oakley, gardener.

The judges were Thomas J. Caparn, David Tait, H. Halbig. So successful was the gathering in point of attendance and appreciation that it was voted to hold a chrysanthemum night in the same manner.

J. B. DAVIS.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual fruit and vegetable exhibition at Horticultural Hall, Boston, which was held on Saturday and Sunday Oct. 9 and 10 was pronounced the finest on record for high quality of fruit and vegetables. This was all the more notable because the season had not been regarded as at all favorable for garden crops. Certainly the quantity and quality of both as displayed on this occasion showed no indication of having experienced any cultural hardships. In flowers there was only a limited display, W. W. Rawson & Co.'s dahlias being the most prominent feature. William Sim, famed for sweet peas and tomatoes, came out with a new specialty—sweet potatoes, white, red and yellow, raised at his enchanted place in Cliftondale, Mass. Ellwanger & Barry, of Rochester, N. Y., were awarded a silver medal for collection of peas and the Boston Park Department received a similar award for display of fruits and shrubs. Bronze medals were given to F. E. Smith for display of apples and J. L. Goodale for seedling grapes. The list of prizes was a long one, sufficient to fill three columns of this paper.

## CLUB AND SOCIETY NOTES.

The Arkansas State Floral Society is sending out an attractive postal card advertising their chrysanthemum show at Little Rock.

The Northern Indiana Florists' Association was organized at N. Manchester on October 1 with W. W. Dedrick president and W. E. Hand secretary and treasurer.

The new officers of the Horticultural Society, Lake Forest, Ill., are E. L. Parshall, president; Fred Jackson, vice-president; J. W. Scharfenberg, secretary; H. C. Peterson, treasurer.

The Florists' Club of Cleveland, O., elected officers as follows at their meeting on September 28: president, George W. Smith; vice-presidents, F. Friendly, John Kelley; secretary, Isaac Kennedy; treasurer, Herman Hart.

The Florists' Club of Albany, N. Y., met with Alfred Whittle on October 1. A lively and prolonged discussion took place regarding what are known to the trade as "crape chasers," and a statement of the members' views for the local papers was authorized.

Articles of incorporation of the National Horticultural Congress have been filed with the county recorder at Council Bluffs, Ia. Until the first annual meeting J. P. Hess will serve as president and G. W. Reye as secretary, with a large board of directors.

The nominating committee of the Massachusetts Horticultural Society has published its list of nominations for the offices of the Society to be filled at the annual meeting, November 14.

The list is as follows: For president, Gen'l S. M. Weld; for vice-president, Charles W. Parker; trustee for two years, Geo. B. Dorr; trustee for three years, W. H. Bowker, Charles S. Sargent, Peter Fisher, Thomas Roland; delegates to the State Board of Agriculture, Wilfrid Wheeler; nominating committee, N. T. Kidder, Thomas J. Grey, G. V. Fletcher, William Sim, William T. Thatcher. The members of the nominating committee for the present year are W. H. Bowker, John W. Duncan, J. H. Fletcher, David F. Roy, and Wilfrid Wheeler.

## OBITUARY.

Charles Storer.

This well-known artist and flower painter died at Natick, Mass., on October 1. Mr. Storer, who has been located in Providence, R. I., for some years, had a studio in Boston for a number of years previous, which was the resort of many of the noted gardeners and flower lovers of that time, such as David Allan, F. L. Harris, William Robinson, James Conley and others now passed away, Alfred Dimmock, W. A. Manda, etc., for all of whom he did more or less work in painting their pet varieties. He was particularly successful with orchids, for which he also had a passionate love. He was a genial, kindly gentleman who was held in affectionate esteem by all who knew him.

## COMING EVENTS.

Pasadena, Calif., Pasadena Gardeners' Association, exhibition, Oct. 22, 23, 24.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November 3-6.

Hartford, Conn., Connecticut Horticultural Society, chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Shreveport, La., State Fair, November 3, 4, 5.

Worcester, Mass., Worcester County Horticultural Society, annual meeting, Nov. 4; chrysanthemum show, Nov. 12.

Red Bank, N. J., Monmouth Horticultural Society and Elberon Horticultural Society, joint chrysanthemum show, November 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, show, Nov. 5, 6.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

Boston, Mass., Massachusetts Horticultural Society, Chrysanthemum show, Nov. 6, 7, 8, 9.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

Lake Geneva, Wis., Gardeners' and Foremen's Association, chrysanthemum exhibition, Nov. 11, 12.

Providence, R. I., R. I. Horticultural Society, Nov. 11, 12, fall exhibition.

New Orleans, La., N. O. Horticultural Society, chrysanthemum and flower show, Nov. 12, 13, 14, 15.

New York, N. Y., American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

Washington, D. C., American Association of Farmers' Institute Workers, Nov. 16, 17.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

Baltimore, Md., Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

Spokane, Wash., National Apple Show Association, Dec. 7-12.

Indianapolis, Ind., American Carnation Society, Jan. 27, 28, 1909.

## PUBLICATIONS RECEIVED.

Massachusetts Horticultural Society. Part 1 of Transactions for the year 1908 has been issued and contains the various lectures and addresses delivered before the Society during the early part of the year, in full, with the discussions which followed their presentation. A portrait of Ephraim W. Bull, who raised the Concord grape, appears as a frontispiece.

Proceedings of the Columbus (O.) Horticultural Society, S. Hine, secretary.—This volume of 220 pages is a model. Typographically it is far ahead of the average horticultural society document as it excels them in breadth and quality of contents. Every branch of horticultural science and its application is given a due share of the space, and anyone interested in fruits, vegetables, flowers, forestry, botany, wild flowers, orcharding or entomology will find something in the pages of this report well worth having.

The program and schedule of prizes for the Annual Flower Show at Denison, Texas, under the auspices of the Denison Civic Improvement League, contains interesting notes on the excellent local work done by this organization during the past year and presents much that will be suggestive and helpful to parties engaged in similar effort elsewhere. The exhibition will take place on November 11 and 12. The prize list contains no less than 474 classes, of which a liberal slice is devoted to the school children.

Bulletin No. 3, issued from the office of the Superintendent for Suppressing the Gypsy and Brown-tail Moths in Massachusetts, gives information concerning the predacious beetles imported for the purpose of preying on the gypsy caterpillars. Illustrations showing these beetles in their various stages are given, with a view to acquainting the public with their appearance so that in the general warfare against caterpillars and moths they may not be destroyed. The most successful of these insects is known as *Calosoma sycophanti*, many colonies of which have already been established and are spreading satisfactorily in the moth-infested districts in eastern Massachusetts. Copies of this valuable document can be had on application to A. H. Kirkland, 6 Beacon St., Boston.

## DENISON CIVIC IMPROVEMENT LEAGUE.

Arrangements are well under way for the third annual flower show at Denison, Texas, which will be held Nov. 11 and 12. The splendid success of the two previous shows encourages the expectation of an even greater success this season. Much interest is manifested locally and communications received from other towns and cities indicate a larger number of outside exhibitors than was had at either of the previous shows. The catalogue is very creditable in appearance and the list of prizes is liberal and varied. The show will be held under the auspices of the Denison Civic Improvement League, which organization is doing very effective work for the improvement of civic conditions in the city and surrounding country.



## THE ADAPTATION OF SOIL TO VARIETIES AND ITS APPLICATION TO INDOOR CULTIVATION.

A Paper Read Before the American Rose Society at Chicago, by Gustavus B. Maynadier.

The whole work of the Department of Agriculture is apportioned, according to the character of the problem, among the various bureaus of which the Department is made up, one of these being the Bureau of Soils.

This Bureau has allotted to it the duty of surveying and mapping the soils of the United States and of making all investigations concerning them. The problems with which it deals are by no means the simple affairs that many who fail to appreciate what the soil is, what it does and how it does it are inclined to think. To them the soil is so much dirt. It is to them a lifeless, inert mass. It is necessary, to be sure, and therefore to be tolerated. We who take a deeper interest, however, know the soil as it really is. Whether we are accustomed to study it in the laboratory or to use it in the field, the garden, or the greenhouse, we know that far from being just so much dirt it is a highly complex body; far from being an inert, lifeless mass, it is most emphatically a thing of life. For every living thing, bush, tree or shrub, that we see upon its surface, myriads exist within the soil itself. One of the duties of this bureau is to study these soil organisms and to find out what functions they perform.

### Composition and Causes of Infertility.

Soils also vary in composition, and there may be present substances actually harmful to plants, or some of the essentials for plant growth may be wanting, hence they must be studied from the chemical standpoint. Soils possess also certain physical properties such as weight, fineness of division, arrangement of particles. They bear certain relations to heat and to moisture. In the physical laboratory of this bureau is determined the influence of these attributes upon the soil and their effect upon its productiveness.

The causes of infertility in certain soils, the restoration of the so-called worn-out soils, the presence of poisonous substances in the soil as the result of excretion from the roots of living plants, all these demand special lines of investigation, each line being in the hands of specially trained men.

Following these strictly scientific technical investigations of the soil comes the study of soil utilization and management. This comprises the application of these laboratory results to conditions as they exist, dealing with problems of drainage, methods of tillage, the effect of fertilizers and special adaptation of soils to certain crops. For you may rest assured that field operations must be based on correct scientific principles or they will be of no avail. However frequently existing

### A DREER DECORATION.



The accompanying illustration shows the decorations of the Chestnut street establishment of H. A. Dreer during the celebration of Founders' Week in Philadelphia. The windows were interesting to many strangers on their way down Chestnut street to visit Independence Hall and other places of historic interest in which this neighborhood abounds.

The colors used in these decorations were blue and gold, which are the city colors, and in the floral window hardy larkspur was used for blue and yellow dahlias for gold, tastefully arranged so that each color would show distinct-

ly. The vegetable window displayed both pumpkins and squashes of golden yellow and dark green (the nearest to blue obtainable). Many very large and heavy specimens were used, each tagged showing weight, and this feature proved very interesting to the many persons who stopped to look at the display. A large show card painted in blue and gold bore the words, "Some Pumpkins."

The photograph was taken late at night, with no other light than the ordinary electric light in the windows, and it has been pronounced an excellent piece of night photography.

conditions demand that these principles be modified, yet they can never be disregarded or opposed, or disaster will surely follow.

### Special Fitness for Certain Crops.

In the work of the Bureau of Soils in the field one of the most striking soil characteristics observed is the special adaptation or fitness of certain soils for certain classes of crops. That certain classes of soils are peculiarly adapted to the growth and production of certain crops has been recognized by agriculturists of all lands, and in the writings of some of the highest authorities on agricultural topics such expressions as good "corn soil" or "wheat soil" are frequently to be met with. Not only is this adaptation for certain crops observed, but in addition a special adaptation for certain varieties of the same crop. While it is no doubt true that there are other factors which perhaps are to be considered in field practice, yet we feel assured from our observations in this direction that no single factor is of as great importance as the soil.

In regions where uniform soil and climate abound there is frequently to be found one particular variety of a crop that gives far better results than any other variety, though it is agreed on all sides that the soil is a good one for the crop generally speaking. More-

over when two sections are situated so as to be embraced within the same climatological zone it frequently happens that the predominating soils are quite different. In such a case it is usually observed that the successful planters upon each soil type are growing the same or closely related varieties. There will, however, be found a considerable difference between the varieties grown on the different soil types. Not alone with field crops is this mutual agreement of soils and specific varieties to be observed, but with fruits and with vegetables.

### Some Cases Observed.

As specific instances I may mention a few of the many cases that have been observed in the field and garden crops, fruits, etc.

The "Drake Cluster," a very high grade and highly productive variety of cotton, has been grown and kept pure on the upland soils of Alabama, where it is noted for its superior qualities. This variety when grown on the bottom lands produces but little lint, the plant "going to weed," as it is called.

With some varieties of tobacco it is possible to grow on the sandy soils of certain localities cigar wrappers of the highest quality; when these same varieties are grown on the clay soils the product is suitable only for fillers, the quality of which is none too good.

With fruits we find much additional evidence of the adaptation of soils to varieties, and in those sections where orange growing is carried on it is now recognized that it is absolutely necessary to select the particular variety to which the soil is most adapted.

With the apple this adaptation is well illustrated by the Newtown Pippin, which reaches its highest state of perfection only when grown on the same class of soils, whether in New York or in Virginia. Again, the Baldwin, which also ranks high as a commercial apple in this same eastern region, is specially adapted to a much lighter class of soils.

The sandy and gravelly soil in Steuben County, New York, is especially adapted to the Carman potato, while on the light loams of the southwestern section of New Jersey, Irish Cobbler and Green Mountain produce the best crops. On the clay loams in northwestern Ohio we find such late varieties as Iona and Rural New Yorker best suited to prevailing conditions, while Bliss' Triumph is especially adapted to the black prairie soils.

#### Essentials to Successful Truck Growing.

In these localities where truck growing is carried on commercial success depends very largely on the proper observance of this intimate and important mutual inter-relationship.

In a majority of the cases observed it was found that varieties not only were better suited to certain soils, but that the class of soils specially adapted for their growth was similar to that upon which the variety was developed.

This is because the plant is in no sense a fixed unchangeable organism restricted to a definite form. On the contrary, it is highly plastic, capable of being changed or modified in all of its parts. We can by cultural methods alone effect many changes, and it is just as certain that as many more will occur through natural agencies. The effect of climate, the character of the soil whether dry or moist, sandy or clay, all exert an influence tending to change or modify plant characters.

We see then that in the development of varieties the effect of soil is manifested, and that to keep a variety pure by freedom from cross fertilization is not always sufficient to maintain its varied characteristics. To keep it up to the ideal established by the originator it is necessary to provide an environment quite similar to that in which it was developed. For it is now thoroughly understood that a change in environment is accompanied by an attempt on the part of the plant to readjust itself to meet the new conditions. If the change is within the limits of the readjustment the plant responds by changing its physical structure sufficiently to meet the new conditions. If the change is too great the plant dies. Originators of new varieties seldom think it necessary to mention the class of soils upon which the varieties were produced, never perhaps considering the influence that it may exert upon the future of the plants. And I believe that many new varieties which are introduced only to be as suddenly cast aside, disappear from cultivation because their habit is such that there are but few soils really well adapted to their culture.

#### Environment Defined.

By environment is meant those conditions that surround the growing plant, and may be considered under two heads, climate and soil. In climate we include the combined effects of light, heat, moisture, etc. In the field these conditions are always subject to variation, and it is quite impossible for a single growing season to pass without the plants being subjected to climatic conditions more or less hindering their development. In the soil we have not only the supply of mineral plant food, but seemingly there is in it also forces, not yet understood, that exert powerful influence on the habits of the plant, controlling to a great extent its thrift, characteristics and fruitfulness. And the effect of this influence appears whether the plant is cultivated for its foliage, its flowers or its seed. In a change of environment may or may not be included a change of climatic conditions. A change of soil type alone has been shown to be quite sufficient to bring about changes in the plant that in many instances are so marked as to greatly affect many varietal characteristics.

#### Conditions Under Glass.

If with our field and garden crops where the climatic influences have necessarily such a wide variation the soil proves itself to be so important in maintaining varietal characteristics and habits, is it not reasonable to suppose that with indoor conditions where these factors are under control the relative influence of the soil is increased. From my own observations and from the testimony of others I believe this to be the case. In this phase of soil adaptation that concerns the indoor grower and which is now being investigated, particularly in regard to the soils used in the production of the different varieties of carnations and roses. In our modern greenhouses we have eliminated climatic variations. We control the temperatures by the turn of a valve. Rain-fall is displaced by the hose. Ventilation is accomplished without subjecting our plants to damaging winds. In short, it is our business to provide the most suitable climatic conditions for the development of our plants. It is clear then that the only change in environment given the plants in a house where light, loamy soil is used, compared with one in which the benches are filled with a clay soil, is the soil itself. Yet with this difference in the soil only, we frequently observe that there is a considerable variation in the size, brilliancy of color, and other characters of the bloom of the same variety. A visit to the flower markets of our large cities affords many illustrations of these differences, when the products of the various establishments are seen side by side.

It is not to be expected that the soil adaptation is equally well defined with all varieties. Some being more fixed offer a greater resistance to change than others; nor should we expect to find the modifications that arise to be always in the same direction. Not only in the character of the bloom may the influence of the soil appear, but in many cases it will be found to affect the habit of the plant

itself. It does so in the field with outdoor crops, and it is reasonable to think that it exerts a similar influence on plants grown under glass.

#### Experiments With Rose Soils.

A partial examination of the soils used by a few of our rose growers has already been made, and it discloses the great variety of soil types that are being used in the production of this crop alone. Ranging in texture from dense clay loams to porous sandy loams, practically all intermediate grades are represented. Yet in many instances two very widely differing soil types are being used for the production of the same variety, resulting perhaps in a depreciation of the quality or quantity of bloom of one variety or the other. I have recently visited a rose house where I found one of the most popular varieties, a rose of great merit, giving such poor results that its cultivation is to be abandoned after this season. In this instance the size of the blooms was materially affected, though in other respects the general appearance of the plants was comparable in every way with those of the other varieties grown.

#### Experiments With Carnation Soils.

A recent experiment carried on to determine the effect of various fertilizers on carnations is particularly interesting when viewed from the standpoint of soil adaptation. In this experiment two soils were used, various fertilizers being applied to each, comparison being with the soils to which stable manure alone was used. As it is no part of my present purpose to discuss the relative efficiency of fertilizers I will consider only the results obtained from the use of stable manure. These soils were planted to four varieties of carnations of undoubted merit, and were grown in a range of three even span houses without interior walls, making it practically one house. Particular attention was paid to the maintenance of favorable conditions, so that the only point of difference was in the soil in which the plants were grown, the same number of plants of each variety being grown in each of the soils used. Enchantress gave only eighty-five per cent. as many blooms on soil No. 2 as on soil No. 1, Lawson eighty-seven per cent. and Robert Craig but seventy-eight per cent. on the corresponding soils. Peary somewhat reversed conditions and on soil No. 2 produced four per cent. more blooms than on soil No. 1.

We have, then, three varieties out of four that showed a very decided falling off accompanied by a difference in soil only—all other conditions being the same. In one case the results are to all intents equal in each soil. Now, I take it that such results are not due to chance. There must be a reason. And I do not think it too much to offer the difference in soils to this reason. Lawson, Enchantress and Craig found one of the soils far more adapted to their special requirements. With Peary the reverse was true, though the adaptation was not so marked. Nor is this illustrative of adaptation of soils to a whole race of plants, but to specific varieties.

It shows also the impropriety of attempting to draw definite conclusions

## THE HOME OF THE NEW RED CARNATION, O. P. BASSETT



100,000 plants of which were sold at the S. A. F. Convention.

as to the relative merits of different varieties, unless it can be shown that the soil type is equally well adapted to all of the varieties grown. It is, however, in determining the varieties that will likely prove most remunerative to the individual grower that such tests have their real value. For with a single bench, in one season, information of vast importance for his future guidance is readily obtained.

#### Vague Definitions.

Just what determines the peculiar fitness of a soil for the growth of certain plants or varieties of these plants is yet to be determined.

The books on rose culture state generally that the proper soil to use is a well drained loam, many authors adding that it should have a smooth or greasy feeling. This description, while somewhat vague, is yet helpful, for it cautions us to beware of heavy clays and coarse sands and brings before us the necessity of good drainage. But the term loam even in its technical sense is a very elastic one and soils may be very different in some of their most important features and still be properly classed as loams. The provision that it should have a smooth or greasy feeling somewhat restricts the original description and brings it within the limits of the class of soils known as silt loams. The smooth or greasy feeling that is found in a soil when pressed between the thumb and finger is a consequence of the presence of silt, the finest sized particles excepting clay that go to make up a soil. The amount present may vary to a considerable degree without altering the feeling, although materially affecting the character of the soil. This variation in the relative proportions of the different sized soil particles is the basis of soil classifications. Upon it also depends the permeability to air and to water, responses to changes in temperature, retention of moisture, and other physical properties of a soil. It is an important factor in determining the general adaptation of a soil, and there can be but little doubt that modifications in texture greatly affect the adaptation of a soil to varieties. There

are other conditions to be taken into account however, and we must carry our investigations on from a number of standpoints in order to arrive at a solution of this problem.

#### Co-operations of Growers Needed.

In carrying out the investigation of this interesting and important soil problem it is planned to secure samples of soils from various growers with whom the cultivation of certain varieties is made a specialty and to obtain from them the necessary information to enable us to understand the conditions under which their plants are grown. To this end a circular letter has been sent a number of growers requesting the samples and information desired. While our studies have not been carried on far enough to warrant our drawing any conclusions at the present time, yet the outlook is most encouraging, and we have every reason to believe that before long we will be able to state a definite relation between some on the soils and varieties.

In this matter we must have the co-operation of the growers, and I am glad to say that we have found them ready and willing to supply the information and samples necessary to insure the success of this investigation.

#### A PERPETUAL BLOOMING RAMBLER ROSE.

We have received from M. H. Walsh a box of flowers cut from his crimson Rambler rose Delight. This rose has been blooming freely all through September, after having produced the usual summer crop of flowers, and is

still in bloom. It has been a matter of great surprise and admiration to passersby, who were naturally astonished to see a hardy climbing rose in bloom at this season. As Delight is one of the hardiest as well as the most brilliant of the Ramblers, its introduction is a memorable step forward in garden roses, and Mr. Walsh has thus still further endeared himself to the lovers of the Queen of Flowers.

#### NEWS NOTES.

I. P. Hersey has taken charge of the greenhouses of Mr. Henry A. Belcher, Randolph, Mass.

The Rustic Construction Co., 34 Fulton st., New York, has filed a petition in bankruptcy.

The store of John Robertson on Conn. Ave., Washington, is greatly beautified by improvements which he has had made recently.

Mr. Robert Rahaley of the Michigan Cut Flower Exchange who went to Mt. Clemens last week reports prospects for large crops of good quality.

It is reported that a colony of women is to be located at Bellecrest, L. I., N. Y., to raise fruit and flowers by electricity. Mme. Davidoff, a Russian-American, is the promoter.

Glary's Horticultural Company located on at 62 Vesey street, New York, is drawing big crowds every Tuesday and Friday now with a lot of extra quality consignments of bulbs and hardy material, imported and home-grown.

## DECORATIVE PLANTS

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias, Latanias, Arecas, Etc.  
Perennials and Shrubs.

Send for our price list. We have a complete stock

**The Geo. Wittbold Co.**

1657 Buckingham Place,

Chicago, Ill.

# THE "SHADE-GARDEN" OF THE CASTLE AT LIESER A. D. MOSEL.

By M. Geyer, the Head Gardener,  
Lieser-Möller, D. A. 27, 202. Translated by  
G. B. Beck.

Coming from the rock garden, we enter plantations of shade-loving plants along the north and west walls, known as the "shade-garden". We note first a *Pseudotsuga Douglasii pendula*, in front of which is a *Valeriana rubra* in full flower, demonstrating that this valeriana and its white and pink varieties are also graceful for half shaded place. On our right we see *Clematis paniculata* growing on the west wall of the castle, where it gets only a few hours' evening sun, but flowering profusely nevertheless. Behind the *Valeriana* is also *Picea exc. conspicuus*, very well adapted for planting among rocks.

Upon the rising slope *Bocconia Japonica* has grown into a strong clump, decorating the plantation by its handsome foliage and white flower spikes during July and August. The plant gets sunlight on its upper parts only, its height being about eight feet.

The next view shows *Circea alpina* a graceful bright flowered plant, which should be used more frequently in shady places. The surface of the ground is entirely covered with English ivy, out of which rise the various shrubs, conifers, perennials and ferns, such as *Picea excelsa repens*, *Juniperus virg. tripartita*, *Juniperus Sabina*, *Ilex crenata*, *Euonymus radicans*, *Astilbe chinensis*, *A. rivularis*, *Saxifraga hypnoides*, *Gillenia trifoliata*, *Cypripedium spectabile*, divers ferns and the graceful *Bambusa aurea*.

Following the path close up to the castle we see a flowering *lonicera* against the wall, in front of which grow ferns and dwarf conifers.

In another view from here towards the east appears a group, in the centre of which stands a tub with a *Latania*, which however in summertime will be completely hidden by *Mikana scandens*. Against the wall here are conifers, *Bambusa nigra*, *B. flexuosa*, *B. mitis*, various perennials, such as *Spirea*, *Anemone*, *Glimbitzuga* and further on some ferns and *ilex*. In the foreground grows, along-side of an *Araucaria excelsa*, *Osmunda Claytoniana*. A *excelsa* likes such a shady place, as proved by its deep green color. *Thuja exc.* *Woreana* also thrives here very well, but the covering of the surface is also in this plantation, English ivy, framing in the plants on all sides.

Here the castle wall recedes three yards, disclosing a ditch constructed to drain the lower part of the building, and shut out from the garden by a low iron fence. Along this fence

## Forcing Rhubarb and Asparagus

I have 50,000 three year old Rhubarb roots for this winter's forcing. Also 50,000 large Asparagus roots for forcing. Order now as there is a large demand for these roots for forcing. Florists are buying heavily. We have also 1,000 Privet, 35,000 Peach trees, 500,000 Asparagus roots, 200,000 Strawberry plants, 5,000 Apple trees. All ready low to plant.

**WARREN SHINN'S NURSERY STOCK**  
Woodstown, N. J.

FINE  
4-INCH

# POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5 00 per 100; \$45 00 per 1000.

## THE E. G. HILL CO., Richmond, Ind.

are placed small boxes, planted in the back with *Mikana scandens* with *Pilea muscosa* in front and with *Aralia Sieboldii* var. *Moseil* in the corners. The *Mikana scandens* has spread luxuriously over the railing, while the *Pilea* covers the boxes, making a complete carpet. These three plants harmonize well with the other green of the plantation and show by their growth, that an entirely shaded situation is not detrimental to their full development.

Finally, in order to cover the castle and avoid planting climbing plants close to the walls, asparagus in variety is used in a rather unique way. The asparagus are three years old with vines over 10 feet long, and cover completely the pots in which they grow. Iron staples are driven into the wall, supporting shelves upon each of which two of these asparagus pots are placed. In the autumn these shelves are taken down together with the plants, nothing remaining but the iron staples, which protrude only a few inches, and can hardly be noticed. The asparagus used is *A. falcatus* and *scandens deflexus*. *A. falcatus* is unsurpassed for such places and gives an elegant effect with long strings of dark green foliage. Along a path here in front of the ditch grow various rhododendrons, *ilex*, *daphne*, ferns, *vinca* and *funkia*.

Following the path the castle wall recedes again, and here in various places are used twenty-four pots of asparagus at different heights, as described above. *A. scandens deflexus* showed very good results, but just as under glass, requires frequent watering, feeding and syringing.

Following the turn of the path to the left we find a patch of ivy again, bordered with *aucuba*, *thuja*, *taxus*, *cryptomeria*, ferns and perennials in variety, also *Phoenix* palms in tubs overgrown by *Colocasia antiquorum*, and finally some rhododendrons.

From here the ivy winds through a valley, bordered by a rocky bank. On the right there rise out of the ivy *Funkia Sieboldiana*, *Saxifraga peltata*, *Polgersia podophylla* and ferns. Upon the rocky banks grow conifers, deciduous trees, ferns and some perennials. Away in the background we notice *Ulmus montana pendula*.

The whole garden has also in winter a cheerful appearance, because the ivy closes over the vacancies left by the perennials and ferns, and the conifers on the rising slopes opposite the house against the walls of the winery combine to make an evergreen surface covering as well as middle and skyline. As the winter-garden of the castle lies on this side this permanent ever-

green feature of the plantation just outside in the near vicinity is especially pleasing.

(We are sorry not to be able to reprint any of the 12 accompanying photos as shown in Moller's journal; they are really a necessary supplement to the above description of a "shade-garden.")

## ORCHIDS

Largest Importers, Exporters, Growers  
and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
NEW YORK CITY

## IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerulea*, *Cattleya Trianae*,  
*Cattleya gigas Sanderiana*, *Cattleya*  
*Schroederiae*, *Oncidium varicosum*.

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

Fresh shipments arrived in superb condition  
*Cattleya gigas* True *Hardyana* type).  
*Cattleya Schroederiae*, *C. Trianae*, *C. Trianae*  
*Payson* var. *Laelia digbyana*, *Oncidium*  
*Kramerianum*, *Miltonia Vexillaria*, *Peristeria*  
*elata* (Dove orchid) and *Odontoglossum*  
*Harryanum* and *Sceptrum*. Write for prices.

**LAGER & HURRELL, Summit, N. J.**

## ORCHIDS

Orchid Baskets and Peat

Write for Prices

**JOSEPH A. MANDA**  
191 Valley Road - WEST ORANGE, N. J.

## ORCHIDS

Our importation has arrived in Perfect Condition  
*C. Gigas Sanderiana*, *C. Percivaliana*,  
*C. Gaskelliana*, *C. Mossiae*.

Expect *C. Mendellii* shortly.

**ORDONEZ BROS., Madison, N. J.**

## ORCHIDS

Our latest importations have been, *Cattleya Chryso-*  
*otoxa*, *Cattleya Gaskelliana*, *Cattleya Gigas*,  
(*Hardyana* district), *Phalaenopsis Amabilis* *Schil-*  
*leriana* and others. We will receive in a short  
time, *Cattleya Dowiana*, *Miltonia Vexillaria* and  
others.

**CARRILLO & BALDWIN**  
SECAUCUS, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....80c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

*Osmunda* roots.

**WM. MATHEWS, - Utica, N. Y.**



## A FEW BARGAINS IN BULBS

**LILIUM LONGIFLORUM, Japan-grown.** Now ready. Case lots, 300 bulbs, \$15.00 per case; less quantities, \$6.00 per 100.

**FREESIA REFRACTA ALBA.** We have a small surplus of the largest size French-grown bulbs. Mammoth bulbs,  $\frac{3}{4}$  inch up, as long as unsold, \$7.50 per 100.

**LILY OF THE VALLEY, Cold Storage.** Finest quality, for immediate forcing. Case of 250, \$4.00; case of 500, \$7.50; case of 1000, \$14.00; case of 2500, \$32.50.

**DUTCH HYACINTHS.** Selected named varieties, first size, \$5.00 per 100, \$45.00 per 1000; Fine named, second size, \$4.00 per 100, \$35.00 per 1000; Separate colors, \$2.50 per 100, \$23.00 per 1000; Miniature, or Dutch Romans—very profitable stock for growing—finest named varieties in white, pink and blue, \$2.00 per 100, \$18.00 per 1000.

**TULIPS.** A few of the leading varieties, which we can supply in quantity, as follows:—Artus, \$1.25 per 100, \$11.00 per 1000; Chrysolora, 60c. per 100, \$7.00 per 1000; Cottage Maid, \$1.25 per 100, \$10.00 per 1000; Keizerskroon, \$1.75 per 100, \$15.00 per 1000; La Reine, \$1.25 per 100, \$9.00

per 1000; Pottelbakker White, \$1.25 per 100, \$10.00 per 1000; Rose Griselijn, \$1.50 per 100, \$12.00 per 1000; Yellow Prince, \$1.00 per 100, \$8.00 per 1000; Gesneriana Spatulata, \$1.25 per 100, \$11.00 per 1000; Darwins, \$1.00 per 100, \$9.00 per 1000.

**NARCISSUS.** Golden Spur, \$1.75 per 100, \$15.00 per 1000; Princess, 80c. per 100, \$6.50 per 1000; Single Von Sion, \$1.25 per 100, \$10.00 per 1000; Emperor, \$1.75 per 100, \$15.00 per 1000; Empress, \$1.75 per 100, \$14.00 per 1000; Double Von Sion, first size, \$1.00 per 100, \$8.00 per 1000; Orange Phoenix, \$1.25 per 100, \$9.00 per 1000; Paper White Grandiflora, \$1.25 per 100, \$9.00 per 1000; Poeticus, 60c. per 100, \$4.00 per 1000; Barri Conspicuus, 80c. per 100, \$6.50 per 1000.

**SPANISH IRIS.** Finest named varieties, 60c. per 100, \$4.00 per 1000; All colors mixed 40c. per 100, \$2.00 per 1000.

**CROCUS.** Separate Colors, 50c. per 100, \$3.00 per 1000; Finest Named Varieties, 75c. per 100, \$5.00 per 1000.

For complete list of Bulbs, see our Wholesale Price List.

**F. R. PIERSON CO., Tarrytown-on-Hudson, New York**

### LIBRARY NOTES.

Since our last installment under the above heading there have been published on this side of the Atlantic several new gardening books of greater or less interest to American readers. The first one is *Gardens of England*, painted by Beatrice Parsons, described by E. T. Cook. Everything of a library character that Mr. E. T. Cook, the able editor of "The Garden," puts his hand to is executed in the highest style. This new book contains some thoughts on English gardening rather than descriptions, historic and otherwise, of some of the well-known gardens attached to our English mansions. The subjects treated are all dealt with in Mr. Cook's best style, and it is not within our province just now to do more than advise our readers to take cognizance of them themselves. But the chief charm to us as bibliophiles must primarily be the exquisite little gems from the brush of Beatrice Parsons with which the pages of the book are adorned. It is a very long time since we saw anything executed in such dainty style, and of these there are twenty reproductions all in color. Price \$1.75.

"The Perfect Garden," by Walter P. Wright—a somewhat ambitious title, but the author endeavors to justify it by the wide scope over which he travels. One feature of the Perfect Garden certainly deserves our highest commendation, and that is the series of garden plans at the end of the work, a provision that so many authors have failed to make for their readers. Price \$1.60.

*Journal of the Royal Horticultural Society*, Vol. XXXIII, Part 2. (Office of the Society, Vincent Square, London, S. W.) A bulky number of this well-known journal, containing numerous articles of horticultural interest. We quote just a few: Rare Shrubs in the Open Air, Hardy Nymphaeas, The Chinese Flora, Electric Cultivation in Relation to Horticulture, Origin and Present Distribution of the British Flora, Summer Pruning, Another Peach Pest, etc. Reports of Trials at Wisley, Reviews of Books, Additions to the Library and other matter complete the volume. Price \$1.80.

Bulletin de la Societe Francaise d'Horticulture de Londres. (Office of the Society, 66 Long Acre, London, W. C.) This is always an interesting publication and it has now reached its 19th annual issue. The Society consists of French and other French-

speaking gardeners in London, many of whom retain their membership after returning to their native land. The Society is also supported by the leading English and Continental nurserymen. The present issue consists of 192 pages of printed matter, stitched in paper wrappers. A few illustrations are given. The articles consist chiefly of papers read by the members at the Society's monthly meetings and are in the French language. This year an exception is made, and M. Paul Aquatias explains in excellent English the mysteries of intensive culture of vegetables on the French system.

"Pansies and Violets," by D. B. Crane. A neat little book of 128 pages, written by a well-known authority on these flowers. It is a handbook dealing with the cultivation and propagation of the Show, Fancy and Tufted pansy, for garden decoration and exhibition. It deals also with the Violetta, Mountain and Sweet Violets, and treats on the diseases thereof and enemies. The book contains selections of varieties for all purposes. Price 35 cts.

"How to Grow Sweet Peas," by Thomas Stevenson and W. F. May. We have had occasion to notice several little cultural guides on the Sweet Pea of late, and the present in style and get-up generally is in no way behind its predecessors. Several portraits of well-known men in the Sweet Pea world are given. Price 25 cents.

"The French Garden," by C. D. McKay. In this little work of 62 pages the author gives us a diary and manual of Intensive Cultivation, a subject that has aroused considerable interest here and upon which a good deal has been written not only in the gardening but in the daily press. The subjects treated are French and English Gardeners, Starting a Garden, Seed Sowing, Melons and Cucumbers, Some Special Crops, Straw Mats, Packing, The History of the French Garden in England. Price 25 cents.

C. HARMAN PAYNE.

### PROTECTING PINE PLANTATIONS AGAINST THE GYPSY MOTH.

A. H. Kirkland, superintendent of the gypsy moth campaign in Massachusetts has determined by observation that the young of the gypsy moth are not able to feed on the pine for the first three weeks after hatching. It follows, therefore, that plantations of white pine may be made without fear of the depredations of these insects provided all undergrowth and contiguous deciduous trees, etc., are cut away as any caterpillars hatched within territory thus protected would starve.

### RECONSTRUCTION OF SWISS VINEYARDS.

Vice-Consul L. H. Munier, of Geneva, sends a clipping from a Swiss newspaper, from which it is noted that more modern methods of grape culture are being adopted in Switzerland. The old vineyards have been attacked by phylloxera, in fighting which the Government has already spent \$482,500. Now it is decided to replace the old vines with the more robust American vines. To aid the planters in the substitution the Government has voted an annual appropriation of \$96,500, to extend over a period of sixty years.

### A NEW COLOR CHART.

Our readers will remember that some time ago we noticed the publication of a work called *Repertoire de Couleurs* which consisted of about 1400 various shades of colors each named in five different languages. This book has recently been adopted by the Royal Horticulture Society as its standard of colors.

Quite recently a new French work called *Code des Couleurs*, portable in form and containing about 720 colors not named but numbered, has been published by a Paris firm. We shall hope to notice it more fully in our next instalment of "Library Notes."

C. HARMAN PAYNE.

## ATTRACTIVE PRICES

— ON —

**Hyacinths, Tulips, Narcissi, Lilium Harrisii, Lil. Multiflorum and Giganteum, Boxwood, Blue Spruce, Rhododendrons, California Privet, Peonies.**

**Cleary's Horticultural Co. A.T. CLEARY MGR. 62 Vesey St., New York**



## Seed Trade

As stated in last week's HORTICULTURE, the first preliminary estimates of deliveries of the 1908 seed pea crop have appeared, and they fully bear out estimates made in HORTICULTURE weeks ago, and particularly on canners' peas, which are even lower than the most pessimistic predictions. Many an uncomfortable quarter hour awaits those growers who deal largely with canners, and especially those who have to call on them. Such unfortunate should make their wills and increase their life and accident insurance before starting on their next year's campaign.

With the exception of a comparatively few varieties, deliveries of beans will be fairly good, and not much complaint is expected from that source. Of Limas, the pole varieties promise a fair crop, and barring damage by rain there should be but little shortage excepting possibly the Dreer or Challenger variety, but there will be considerable of a shortage in the Dwarf and Bush sorts, though nothing in the way of figures is yet available. Of the two new Dwarfs, it is believed the introducers will be able to offer "Fordhook" to the trade, but the Burpee's Improved will probably not be offered this year owing to the great shortage of the crop.

A few seedsmen who managed to secure a little seed of these two varieties last year will have small quantities from their plantings, but ninety per cent. of all the seed in existence is controlled by the introducers. Those seedsmen who contemplate listing these varieties should know the source of their supplies. "A word to the wise is sufficient."

The open warm autumn has been a boon to tomato growers, whether for seed or canning, and the crop will not be nearly so short as seemed probable six weeks ago.

An attack on the seed trade which appeared in the "Rural New Yorker," of recent date, has called forth some indignant protests from seedsmen, for although not an editorial, nor written by a member of its staff, a footnote

by the editor seems to give endorsement to the ignorant and exaggerated trash of its correspondent, and the fact that it is printed prominently on the front page of the paper gives additional weight to this suspicion.

That the spoutings of this cheap sensationalist will be properly answered may be taken for granted, as the seedsmen cannot lightly allow such an attack to pass unchallenged, for, regardless of the insignificance of the writer, the fact that it was published in a paper of the standing of the "Rural New Yorker" with all too evident approval, makes a reply practically imperative. Those seedsmen who have not read the article in question should do so.

Mr. W. Atlee Burpee has just paid a long promised visit to Mr. Jerome B. Rice at the latter's beautiful home at Cambridge, N. Y. Incidentally Mr. Burpee made all too brief social calls on the seedsmen of Albany and Troy.

### CATALOGUES RECEIVED.

Jackson & Perkins Co., Newark, N. Y.—Trade Price List, Fall 1908. Wholesale only.

A. N. Pierson, Inc., Cromwell, Conn.—Folder of Wholesale Prices on Palms and Ferns for 1908.

Wild Bros. Nursery Co., Sarcoxie, Mo.—Trade Price List of Ornamental Trees, Peonies, Irises, etc.

Littlefield & Wyman, North Abington, Mass.—Fall Folder of Prices of Hardy Garden Plants and Shrubs.

B. G. Pratt Company, New York, N. Y.—Price List and Instructions for Use of Scalecide, the "Tree Saver."

Old Colony Nursery, T. R. Watson, Plymouth, Mass.—Wholesale Trade List of Trees and Shrubs and Herbaceous Perennials.

The Cannon Floral Co., Hamilton, Ont.—Fall Wholesale Price List of Bedding and House Plants, Shrubs, Vines and Perennials.

Fraser Nursery Company, Huntsville, Ala.—Wholesale Price List for Fall, 1908, for Nurserymen and Dealers Only.—A neat little catalogue.

H. J. Weber & Sons Nursery Co. Nursery, Mo.—Descriptive Catalogue and Price List of Trees and Hardy and Tender Plants, for Fall 1908—Spring 1909.

Glen Saint Mary Nurseries, Glen Saint Mary, Fla.—1909 catalogue of fruit and shade trees. The cover shows oranges and peaches handsomely reproduced in colors.

Morris Nursery Company, West Chester, Pa.—General Catalogue of Fruit and Ornamental Trees, Shrubs, Vines, Roses, etc. A handsomely illustrated and a veritable gem in its illustrations.

The George Wittbold Company, Chicago, Ill.—General Catalogue. A very ornate production, printed on heavy paper, in two colors and with a daintily

## Cold Frame Mats

MADE OF BURLAPS THICKLY QUILTED WITH JUTE, WILL COVER TWO SASH,

**\$1.25, \$14.00 doz.**

MADE OF STRAW, WILL COVER TWO FRAMES,

**\$1.75, \$20.00 doz.**

**W. ELLIOTT & SONS**

42 VESEY STREET, NEW YORK.

## Mignonette

**FARQUHAR'S  
GIANT**

**Oz., 75c; 1-4 oz., 25c**

**R. & J. Farquhar & Co.**

**6 & 7 South Market Street  
BOSTON, MASS.**

## Spanish Iris For Forcing

A surplus of extra fine stock in following splendid varieties:

**COUNT NASSAU, CAJANUS,  
BLANCHE FLEUR, BRITISH  
QUEEN, Etc.,**

Send list of wants for prices  
**HYACINTHS, TULIPS, NARCISSUS,**  
and all seasonal stock. Send for Catalogue.

Fresh Tobacco Stems, in Bales of 300 lbs., \$1.50

Seedsman  
**W. C. Beckert, No. Side, Pittsburg, Pa.**

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
**WHITE MARSH, MD.**



**WIZARD BRAND MANURE**

PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE

WIZARD BRAND MANURES

Absolutely Pure  
No Waste  
No Danger

Write for literature  
prices.

THE PULVERIZED MANURE CO.

31 Exchange Ave. Union Station Chicago

**SHEEP MANURE**

Pulverized. Free from all adulteration  
In Bag. \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**  
**CLIFTON, N. J.**

colored frontispiece. Devoted to hardy garden material.

Winterson's Modern Supply House, Chicago, Ill.—Wholesale List of Florists' Supplies. An up-to-date list in all respects and one that no florist should overlook when he is in the market for seasonable goods at reasonable prices.

Northrup, King & Co., Minneapolis, Minn.—Twenty-fourth Annual Catalogue of Sterling Seeds. A very complete list of field and vegetable seeds. Cover in colors, showing Minnesota Red Globe Onion and "The Perfume Plant" (*Matthiola bicornis*).

H. J. Weber & Sons Nursery Co., Nursery, Mo.—Descriptive Catalogue of Trees and Hardy and Tender Plants. A handsome and elegantly illustrated catalogue in which no prices are quoted. Price List for Fall 1908—Spring 1909, is printed in a separate volume and mailed on request.

Simonds Heating and Specialty Co., Detroit, Mich.—Modern Methods of Steam Heating. An illustrated catalogue and series of testimonials to the advantages and economy of the Compound Vacuum System of Steam Heating as installed by this company. It will prove very interesting reading to greenhouse men using steam as a heating medium.

Winterson's Seed Store, Chicago, Ill.—Autumn Catalogue of Flowering and Ornamental Plants, Trees, Bulbs, etc.—The motto on this useful catalogue is, "Make Your Garden Glad." We know of nothing that will accomplish this laudable injunction more effectively than a liberal planting of the goods offered by the ever-glad and perpetually-beaming proprietor of Winterson's Seed Store, who is one of Chicago's best assets.

## Winter-flowering SWEET PEA SEED

All Colors Ask for List  
A. C. ZVOLANEK

ORIGINATOR. BOUND BROOK, N. J.

## READY For Prompt FRENCH and DUTCH BULBS

Catalogues mailed free on application

Joseph Breck & Sons Corp.  
47-54 NO. MARKET ST., BOSTON, MASS.

## CAULIFLOWERS CABBAGE

HJALMAR HARTMANN & CO.  
12 Stormgade,  
COPENHAGEN, DENMARK.



## MICHELL Headquarters for 1st SIZE NAMED HYACINTHS

and other Bulbs in immense quantities, our own importation, of the very best sorts, and satisfactory forcers. It pays to plant 1st size Hyacinths, for the best trade.

WRITE FOR MICHELL'S WHOLESALE CATALOGUE TO-DAY.

## HENRY F. MICHELL CO.,

Direct Importers of Bulbs

1016 Market Street, PHILADELPHIA, PA.

## C. C. MORSE & CO. 48-56 JACKSON ST., San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## Thorburn's Bulbs

Lilium Longiflorum, 6 to 8 in. and up  
Lilium Longiflorum Multiflorum,  
6 to 8 in up  
Lilium Candidum  
Bermuda Easter Lilies

Seeds of our Magnificent Strain

Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

J. M. THORBURN & CO.  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

## A. MITTING

Calla Lily Bulb Co.  
Santa Cruz, Calif., U.S.A.

## JUST ARRIVED HIGH GRADE DUTCH BULBS

We also carry a full line of Florists' Supplies  
THOMAS J. GREY CO.  
32 & 33 So. Market St., BOSTON, MASS.

In ordering goods, please add "I saw it in HORTICULTURE."

## SOW NOW MY STRAIN OF Hardy Garden Carnations

as;	Per Oz.	Tr. Pkt
Special Mixture of extra double flowers, \$2.50	2.50	.30
Dwarf Scarlet Grenadin .....	2.00	.30
Early Dwarf Vienna, finest mixed. ....	1.00	.20
New Early White Vienna, fine for cut, ..	1.50	.20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed. ....	4.00	.50

O. V. ZANGEN, Seedsman  
HOBOKEN, N. J.

Remember we have a few left—LILIUM CANDIDUM—good sound bulbs. Price \$4.50 per 100; \$40.00 per 1000. Also good supply of Dutch Bulbs.

H. E. FISKE SEED CO.  
The Faneuil Hall Square Seed Store.  
BOSTON, MASS.

## BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS. Props.

37 East 19th St., - NEW YORK CITY

## BRASLAN SEED GROWERS CO.

GROWERS FOR THE  
WHOLESALE TRADE ONLY

SAN JOSE, - - CALIFORNIA

## Burpee's Seeds PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.

Established 1873

Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

### PERSONAL.

Visiting New York, Mr. Clark of  
Leonard Seed Company, Chicago.

Fred W. Gust of Cincinnati has tak-  
en a position with A. Wiegand &  
Sons, Indianapolis, Ind.

Visitors in Boston:—Mr. and Mrs.  
John H. Taylor, Bayside, N. Y.; A. N.  
Pierson, Cromwell, Conn.; S. B. Dicks,  
London, Eng.

Herbert A. Leach, junior member  
of the firm of M. J. Leach & Son, and  
Mary E. MacAllen were married in  
Pawtucket, R. I., on September 24.

Charles D. Stark, Jr., of Johnsville,  
Calif., was married on October 7 to  
Miss Lilly L. Carry of Newport, R. I.  
Mr. Stark was in business in Newport  
before going west.

Recent visitors in Buffalo, F. R. Gill-

### STEAMER DEPARTURES

#### Allan.

Virginian, Montr'l-Liverp'l..Oct. 22  
Tunisian, Montr'l-Liverp'l....Oct. 30  
Victorian, Montr'l-Liverp'l....Nov. 5

#### American.

Philadel'a, N. Y. S'hampton.Oct. 24  
St. Paul, N. Y. S'hampton.Oct. 31

#### Atlantic Transport.

Minneapolis, N. Y.-London..Oct. 24  
Minnetoaka, N. Y.-London..Oct. 31

#### Cunard.

Saxonia, Boston Liverp'l....Oct. 20  
Mauretania, N. Y.-Liverp'l....Oct. 21  
Campania, N. Y.-Liverp'l....Oct. 28

#### French Line.

La Savole, N. Y.-Havre.....Oct. 22  
La Provence, N. Y.-Havre...Oct. 29

#### Hamburg-American.

Deutschland, N. Y.-H'burg...Oct. 22  
Pennsylvania, N. Y.-H'burg..Oct. 24

#### Leyland.

Cestrian, Boston-Liverp'l....Oct. 21  
Canadian, Boston-Liverp'l....Oct. 28

#### North German Lloyd.

K. W. der Grosse, N. Y.-B'n.Oct. 20  
Cecilie, N. Y.-Bremen.....Oct. 27  
Kronpr'z Wilhelm, N. Y.-B'n..Nov. 3

#### White Star.

Oceanic, N. Y.-S'hampton....Oct. 21  
Celtic, N. Y.-Liverp'l.....Oct. 22  
Baltic, N. Y.-Liverp'l.....Oct. 29  
Teutonic, N. Y.-S'hampton..Oct. 28  
Cymric, Boston-Liverp'l....Nov. 7

man, Rheinbeck; Mr. Dykes of Edw.  
Jansen, New York; F. N. Wise, Erie,  
Pa.; Mr. Romer of F. R. Pierson Co.,  
Tarrytown.

D. Y. Mellis, of Flatbush, N. Y., has  
been elected president of the Prospect  
Park Bowling Green Club and in ad-  
dition has crowned himself with glory  
by winning the Burrel cup.

The condition of Henry Small of  
Washington has much improved since  
the last writing and his friends think  
that he will be able to be at his place  
of business in at least two weeks.

Schedules in bankruptcy of W. H.  
Donohoe, florist, New York, show li-  
abilities \$7,611, assets, \$2,100, consist-  
ing of stock \$100 and accounts \$2,000.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 36th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

**THOS. F. CALVIN**

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

## PHILADELPHIA NOTES.

Ralph E. Faust has retired from the treasurership of the Pennock-Meehan Co., and is succeeded by Percy E. Rigby. Mr. Faust accepted a tempting offer from his uncle, a wealthy leather manufacturer in Camden, N. J., his holdings in the Pennock-Meehan Company being transferred to that corporation, in which he now holds no interest except that of cordial friendship.

Samuel F. Lilley, late salesman for Eugene Weiss, Hatboro, and Edward Upton, late salesman for J. Welsh Young, Germantown, have formed a co-partnership and will conduct a wholesale commission cut flower business at 1514 Sansom street. They opened for business Oct. 12th. We wish the new firm every success.

Founders' Week brought about four million visitors to Philadelphia last week. There were many of our craft among them, but mostly from eastern Pennsylvania and nearby states. Business, except in special lines, was hindered more than helped by the celebration, but no doubt the flower trade will feel the good effects in due course.

The business parade on Wednesday

**BOSTON FLORIST LETTER CO.**  
Manufacturers of **FLORISTS' LETTERS**



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2.  
Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

**N. F. McCARTHY, Manager**  
66 Pearl Street, BOSTON, MASS.

**Hoffman**  
59-61  
**FLORIST**  
Massachusetts Ave.  
Commonwealth Ave.  
**BOSTON**

## TIE UP

Your Chrysanthemum Plants with  
**GREEN SILKALINE**

Made Especially for that Purpose.

**JOHN C. MEYER & CO., Boston, Mass.**

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**JACOB SCHULZ**, 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984



## THE NEW IDEA IN PLANT STANDS

The Moore-Livingston  
Graduating or Adjusting

Saves one-half to two-thirds of cost over ordinary galvanized iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS  
SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., **Lansdowne, Pa.**

was very imposing. The horticultural element was well represented by the Henry F. Michell Co., whose float showed a beautifully laid out plot of real grass—in the centre of which was a circular bed of hyacinths of red, white and blue, bordered with yellow tulips. Pillars surrounded the scene surmounted with vases of plants. Philip Freud represented the gardener.

The historical parade on Friday was of special interest to the local florists, as one of their number, J. J. Habermehl's Sons, constructed some forty of the floats, on which we are told they had been working since last August. These were historically accurate and, while elaborate, did not depart from the best standards of good taste.

Messrs. Dreer contented themselves with a lavish display of dahlias and larkspurs on one side, and pumpkins on the other, which was a centre of interest to the throngs passing down Chestnut street, on their way to Independence Hall.

Among our visitors this week: Mr. Payne, of Sawyer & Payne, Jacksonville, Florida. He reports good crops south and a very hopeful feeling among the merchants. He was surprised at the congested flower conditions in New York and congratulated Philadelphia on better regulated balance between supply and demand. We don't quite see it—here. We think situation rank enough.

At the annual meeting of the National Farm School at Doylestown, Pa., the president, referring to the change in the horticultural department, said: "in our faculty a change was made during the past year in the appointment of Mr. Walter F. Fancourt as horticulturist, succeeding Mr. W. B. Brierly. Mr. Fancourt has won for himself an enviable reputation as a thoroughly skilled and eminently practical man in his profession, and the school may therefore look forward to great progress in its department of horticulture, fruit raising and truck gardening" all of which we are sure will be echoed by Mr. Fancourt's fellow craftsmen in the trade.

## NEWS NOTES.

The Alpha Floral Co., Des Moines, Iowa, has enlarged its window capacity and made other striking improvements.

It is stated that the Philadelphia Cut Flower Company has secured judgment against the Newton Floral Co., Norfolk, Va., in the sum of \$458.50.

## NEW RETAIL FLOWER STORES.

P. R. Burt, Greenfield, Mass.

Frank Benson, Indianapolis, Ind.

William Hoffman, Pawtucket, R. I.

W. C. Young, 316 Broad St., Providence, R. I.

W. W. Mulich, 706 Wealthy Ave., Grand Rapids, Mich.

Harvey Erchert & Co. have opened a new flower store at 1004 Elmwood ave., Buffalo, under the sign of the Elmwood Floral Depot. The Erchert Co. have greenhouses on Bid ave.

## BUSINESS CHANGES.

The Empire Plant & Floral Co., Spokane, Wash., has sold out to I. Hajek.

Lemoine Bros. have bought the business of Remick & Smith, S. Framingham, Mass.

The firm of Weigel & Ujfalussy, New York, has dissolved, and the business will be carried on by Mr. Weigel.

The Eastern Nurseries, Jamaica Plain, Mass., will hereafter be under the management of Henry S. Dawson. Mr. Dawson, who has been connected with the nurseries for the past four years, is the youngest son of Jackson Dawson of the Arnold Arboretum, and that he will conduct the establishment in a manner which will especially appeal to the buyers of choice ornamental stock goes without saying.



**HARDY FERNS**

By the Million  
At \$1.00 per 1000  
Our own picking

**N. F. McCARTHY & CO.,**  
84 Hawley St.,  
BOSTON

## ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., - BOSTON  
Telephone, Main 58.

# CHRYSANTHEMUMS

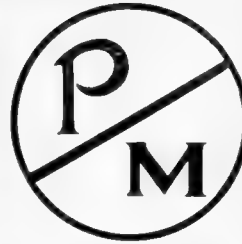
**PINK, WHITE and YELLOW**

\$1.00 to \$3 00 per dozen

**The Leo Niessen Company**

1209 Arch St., Philadelphia, Pa.

Commencing Sept. 21st open from 7 a.m. to 8 p.m.



## Rose Special

Exceptional value in medium lengths and fine flowers.

OUR SELECTION

\$10.00 per thousand

QUALITY

**S. S. PENNOCK-MEEHAN CO.**

1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

## AUTUMN FOLIAGE

Any Quantity. Well Colored.

**W. E. McKISSICK** WHOLESALE FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.

## CUT FLOWER BOXES

**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA  
Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders. We have a fine line of Hardy Greenhouse Plants, and a fine line of HARRY LAY'S CUT FLOWERS. Write for a list of our large stock.

In ordering goods please add "I saw it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES

LILY OF THE VALLEY, CARNATIONS

**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 12		Oct. 12		Oct. 12		Oct. 15	
<b>ROSES</b>								
Am Beauty, Fancy and Special...	25.00	to 30.00	28.00	to 35.00	20.00	to 25.00	15.00	to 25.00
"    Extra.....	20.00	to 25.00	20.00	to 25.00	12.50	to 15.00	12.00	to 15.00
"    No. 1.....	10.00	to 20.00	12.00	to 20.00	10.00	to 12.50	6.00	to 10.00
"    Lower grades.....	6.00	to 10.00	8.00	to 12.00	3.00	to 6.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special....	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00	2.00	to 6.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	1.00	to 3.00	.50	to 1.00
Killarney, Richmond, Fan. & Sp....	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00	2.00	to 6.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	1.00	to 3.00	.50	to 1.00
Kaiserin, Carnot .....	5.00	to 8.00	4.00	to 8.00	2.00	to 6.00	.50	to 8.00
Golden Gate Chateaux, etc.....	4.00	to 6.00	4.00	to 7.00	2.00	to 6.00	.50	to 6.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	3.00	to 4.00	2.50	to 3.00	1.50	to 2.00	1.00	to 2.00
Ordinary.....	2.00	to 3.00	2.00	to 2.50	1.00	to 1.50	.75	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	.....	to 50.00	50.00	to 60.00	30.00	to 40.00	30.00	to 50.00
Lilies.....	10.00	to 15.00	16.00	to 20.00	10.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Asters .....	1.00	to 3.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gladioli.....	2.00	to 3.00	.....	to 2.00	.....	to 3.00	.....	to 3.00
Dahlias.....	1.00	to 2.00	.....	to 1.00	1.00	to 2.00	.....	to 2.00
Chrysanthemums, Fancy.....	.....	to 1.00	.....	to 1.00	6.00	to 15.00	8.00	to 12.50
"    Ordinary.....	.....	to 1.00	.....	to 1.00	.....	to 4.00	4.00	to 6.00
Violets.....	.....	to 1.00	.....	to 1.00	25	to 50	.35	to .50
Adiantum .....	.75	to 1.00	1.00	to 1.50	1.00	to 1.00	1.00	to 1.50
Smilax.....	10.00	to 12.00	10.00	to 15.00	.....	to 15.00	10.00	to 12.00
Asparagus Plumosus, strings.....	35.00	to 50.00	35.00	to 50.00	50.00	to 50.00	25.00	to 50.00
"    " & Spreng. (100 bchs.)	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00	15.00	to 25.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

**CUT FLOWERS**



**HENRY M. ROBINSON & CO.**

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Everygreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



WHOLESALE ONLY  
**Galax, Ferns and Leucothoe**

Direct from the grower. The Galax, Greenhouse Leucothoe Sprays, Ferns, Dogwood and Fan palms, all of the best quality and up to the minute. Terms, strictly cash. F.O.B. N.C. Part, N.C.

**NORTH CAROLINA EVERGREEN CO.**  
Banner Elk, N.C.

**POEHLMANN BROS. CO.**

33-35-37 Randolph St., - CHICAGO

**CUT FLOWERS**

Greenhouses, - Morton Grove, Ill.



## Flower Market Reports.

Trade has been a **BALTIMORE** trifle better during the week. Material has come in pretty good quality although roses have been a little off the last few days. Every devout florist—and some that are not too devout—is praying for that frost that shall put out of commission all out-door stuff with which the markets are now flooded.

The market has had a **BOSTON** good lively time for the past two weeks. The craft has had a fair wind and rapid traveling, but prospects are for a dead calm right ahead, which may keep us tied up for some time. Chrysanthemums are coming in with fierce energy and bid fair to overwhelm everything. An avalanche is undoubtedly on the way and all other things must stand aside. Roses are better, much better, in quality and stems but the demand is decidedly weak. Carnations are all improving in quality and would be all-important were it not for the rising tide of chrysanthemums. Violets are doing better than they did last week; quality improved and market value advanced. Sweet peas from under glass have just started in. Price of peas is at present 50 cents per 100, but as soon as the stems lengthen out they will make a better record.

Autumn is with us **BUFFALO** again and the shop windows are filled with chrysanthemums and decorated in genuine autumn style and good displays are seen among the down-town florists. The cool bracing weather of the past few days has quickened trade and the volume of business is increasing. A few light frosts the past week killed all outside vegetation and the demand for indoor stock has advanced. All roses are getting into winter form, some choice Beauties being on the market. Carnations are in good demand and the best stock finds ready sale. Violets are improving daily in color and stem and demand is getting brisker daily. Lily of the valley has never been better in quality than at present. Dahlias and cosmos have had their inning and have sold exceedingly well this fall. Gladioli are about over with. Chrysanthemums are coming in more plentifully and the early varieties such as Kalb, Monrovia, White and Pink Pacific are had but the demand not any too brisk. Green goods are in excellent supply. Wild smilax has been in demand, also autumn foliage.

A complete change has **CHICAGO** taken place in the Chicago market since the hard frosts. Where all was quiet two weeks ago it is now full of life and stir. The outdoor flowers which filled

## WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 13		Oct. 12		Oct. 12		Oct. 12	
ROSES								
Am. Beauty, Fan. and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra	18.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.00	to 15.00
" No. 1	12.00	to 5.00	12.00	to 16.00	8.00	to 15.00	6.00	to 10.00
" Lower grades	6.00	to 13.00	6.00	to 8.00	3.00	to 8.00	.....	to 4.00
Bride, 'Maid, F. & S.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	4.00	to 6.00
" Low. gr.	3.00	to 4.00	4.00	to 6.00	2.00	to 4.00	2.00	to 3.00
Killarney, Richmond, Fan. & Sp.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
" Lower grades	3.00	to 4.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Carnot.	4.00	to 6.00	6.00	to 8.00	3.00	to 7.00	2.00	to 8.00
Golden Gate, Chateauf, etc.	3.00	to 6.00	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00
CARNATIONS								
Fancy and Novelties	.....	to 2.00	2.00	to 4.00	1.50	to 2.00	1.50	to 2.00
Ordinary	1.00	to 1.50	1.50	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas	.....	to 35.00	35.00	to 50.00	75.00	to 80.00	40.00	to 50.00
Lilies	8.00	to 10.00	12.50	to 15.00	3.00	to 12.00	10.00	to 12.50
Lily of the Valley	2.00	to 4.00	3.00	to 4.50	3.00	to 4.00	3.00	to 4.00
Asters	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gladioli	.....	to 2.00	.....	to 2.00	.....	to 2.00	.....	to 2.00
Dahlias	.....	to 6.00	.....	to 6.00	.....	to 6.00	.....	to 6.00
Chrysanthemums	10.00	to 20.00	6.00	to 25.00	10.00	to 25.00	6.00	to 20.00
Violets	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Adiantum	.....	to 1.00	1.00	to 1.50	.....	to 1.50	.....	to 1.50
Smilax	12.00	to 15.00	12.00	to 15.00	12.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings	40.00	to 50.00	50.00	to 75.00	40.00	to 50.00	30.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	40.00	to 50.00	25.00	to 30.00	20.00	to 30.00

the counters but did not bring in the dollars are all gone for this season and chrysanthemums have taken their places. The varieties in the market this week are mostly Oct. Frost, Monrovia, Rosiere, Lady Harriet, C. Touset, Oct. Sunshine and Robt. Halliday. The blooms are on long stems and are fine. Carnations are scarce and bring good prices. The cool weather has made the shipments of Hudson River violets arrive in good shape the past week. Cattleya labiata, Vanda coerulea, Dendrobium formosum and Oncidium varicosum are furnishing variety in the orchid line and the demand steadily grows. The first shipments of boxwood are in and are of excellent quality. Roses are good and on fairly good stems. All the retail stores are handling large quantities of the Boston and other ferns, the demand for which seems constantly increasing.

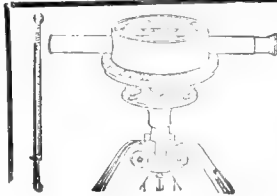
Flowers have been **INDIANAPOLIS** exceedingly scarce the past ten days,

and the cool weather, although delightful, undoubtedly was instrumental in checking the supply to some extent. Were it not for fancy American Beauty roses many of the retailers would be in a quandary when it comes to filling an order with something choice. There is a noticeable improvement in the quality of Killarney, Chateauf, Bride, Bridesmaid and Perle roses; prices having advanced accordingly. Carnations have been scarce, the best fetching \$3.00 per 100. Several heavy frosts have put outdoor stock, such as dahlias, cosmos, etc., out of business. There is a good demand for lily of the valley, good stock of which can be had at any time. The middle of October will see this market well supplied with chrysanthemums. The de-

mand for everything is on the increase and October gives promise of being a very busy month.

From a florists' **PHILADELPHIA** standpoint Founders' Week celebration was a hindrance rather than a help. As one wholesaler put it: "The parade paraded business out of town." Chrysanthemums became very plentiful all of a sudden and prices broke badly. Dahlias moved off fairly well but at any old price. American Beauty was in the lead as to roses, and Kaiserin, My Maryland, Mrs. Jardine and Richmond were good followers. Improvement continues in carnations and these move fairly under the depressed conditions. Cosmos and autumn foliage are conspicuous items everywhere. Violets more plentiful and of better quality. Orchids in large supply and prices weakened considerably, with the exception of white varieties. Easter lilies are not going quite as well. Lily of the valley and greens plentiful and sluggish. The present week has started off much more briskly and a more cheerful feeling prevails.

A killing frost on **WASHINGTON** the night of the 12th put an end to almost all out-of-doors flowers, especially dahlias; the latter were cut and rushed in in large quantities which made the market more piled up than before with that particular commodity. The carnations that are coming in are much improved in color and size and the price is correspondingly better. In-door chrysanthemums are being cut, but in limited quantities. Violets are thus far very short of stem, and nothing to brag of in color. Roses are improving daily and there is a steady demand for them.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive engineering instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,

Choice Cut Flowers,  
 57 West 28th St., :: NEW YORK.  
 Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**

Richmond Roses and Rich Flowers  
 of all varieties

**JOS. S. FENRICH**

110 W. 28th Street, New York  
 Tel. 324-325 Madison Square

**Alfred H. Langjahr**

All choice cut-flowers in season. Send  
 for quotations. Correspondence with  
 shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephones 4626-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**FRANK MILLANG**

**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
 sale Market Rates.

**Consignments Requested**

OF FIRST-CLASS FLOWERS

A Good Market and Prompt Returns

**GEORGE SALT FORD**

43 W. 28th Street, NEW YORK  
 Telephone, 3393 Madison Sq.

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
 Madison Square.

New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860 Madison  
 3861

NEW YORK

**JOHN I. RAYNOR**

**Wholesale Commission Florist** SELLING AGENT FOR  
 LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York  
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND  
 GARDENIAS, DAISIES, ROSES AND CARNATIONS  
 Telephone  
**JAMES McMANUS**, 759 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
 and Seller of

Open from 5 a. m. to 6 p. m. Sunday  
 till 10 a. m.

**CUT FLOWERS**

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

Finest Lilies in the Market Every Day in the Year.

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
**PHONES. 1664--1665 MADISON SQUARE**  
**ENOUGH SAID**

**NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	Last Half of Week ending Oct. 10 1908	First Half of Week beginning Oct. 12 1908
American Beauty, Fancy and Special	15.00 to 25.00	10.00 to 20.00
" " Extra	8.00 to 10.00	8.00 to 10.00
" " No. 1	5.00 to 8.00	4.00 to 8.00
" " Lower Grades	1.00 to 2.00	.50 to 2.00
Bride, "Fleider, Fancy and Special	3.00 to 5.00	3.00 to 5.00
" " Lower Grades	.50 to 1.00	.50 to 1.00
Killarney, Richmond, Fancy and Special	3.00 to 5.00	3.00 to 6.00
" " Lower Grades	.50 to 1.00	.50 to 2.00
Kaiserin, Carnot	.50 to 5.00	.50 to 5.00
Golden Gate, Chatenay, etc.	.50 to 5.00	.50 to 6.00

**TRAENDLY & SCHENCK**

Wholesale Florists

Furnish best stock at fair prices all the year round.

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.**

Cut Flowers at Wholesale

**VIOLETS, CARNATIONS, ROSES, ORCHIDS**

Consignments Solicited. Shipments to Order, any Distance

39 West 28 Street,

NEW YORK

Prices Quoted in these Columns are for Dealers Only.  
 When Writing to Advertisers Please Mention  
**HORTICULTURE.**



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**WHOLESALE FLORISTS**  
54 West 28th St.  
NEW YORK  
Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

**RECEIVERS & SHIP-  
PERS OF CUT  
FLOWERS.**  
CONSIGNMENTS SOLICITED.

**JOHN YOUNG**  
**WHOLESALE FLORIST**

Finest American Beauties and  
Carnations

51 West 28 St. - NEW YORK

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.  
Tel. 4591 Main

**Greater New York  
Florists' Association,**  
Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.  
Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites.

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

## THE KERVAN CO.

Wholesale Dealers and Shippers of

**Decorative Evergreens**

Ferns, Galax, aures, Fresh Cycas, Box-  
wood, Sphagnum and all Christmas Greens  
Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

## SAMUEL A. WOODROW

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

## H. C. BERNING

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**GEORGE GOTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**E. A. BEAVEN**

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated — at Whole-sale

EVERGREEN, ALABAMA.

## MISTLETOE

**WHOLESALE ONLY**

Twelve years' experience in gathering and ship-  
ping Mistletoe. Crop will be about fifty-five thou-  
sand pounds. Dates of shipments guaranteed.  
Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

**FANCY and DAGGER**

Extra fine, \$1.25 per 1000. Bronze  
and Green Galax, \$1.25 per 1000,  
\$8.50 case of 10,000. Leucothoe  
Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

1000. Extra Large Bales, per bale, \$1.25.

Extra fine, \$1.25 per 1000. Bronze

and Green Galax, \$1.25 per 1000,

\$8.50 case of 10,000. Leucothoe

Sprays, \$1.00 per 100. \$7.50 per

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Oct 10 1908	First Half of Week beginning Oct. 12 1908
Carnations, Fancy and Novelties, .....	1.00 to 2.00	1.50 to 3.00
" Ordinary .....	.75 to 1.00	.75 to 1.00
Cattleyas .....	25.00 to 50.00	25.00 to 40.00
Lilies .....	4.00 to 6.00	4.00 to 6.00
Lily of the Valley .....	1.00 to 2.00	1.00 to 3.00
Chrysanthemums, Fan y. ....	8.00 to 25.00	12.50 to 25.00
" Ordinary .....	..... to .....	3.00 to 8.00
Violets .....	.25 to .50	.20 to .40
Gardenias .....	12.00 to 2.00	12.00 to 25.00
Adiantum .....	.50 to 1.00	.50 to 1.00
Smilax .....	8.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings .....	20.00 to 35.00	20.00 to 35.00
" " & Spren. (100 bchs.) .....	12.00 to 25.00	2.00 to 25.00

New York again re-  
ports a very dull  
market with no sign  
of any general movement towards a  
seasonable activity. This is all the  
more noticeable because a gratifying  
resumption of healthy business condi-  
tions seems to have set in generally  
in other flower centres. Roses are  
in lighter supply here, partly as a re-  
sult of lower temperatures, but this  
has no perceptible effect on the value  
of or demand for the product as there  
is still a larger influx than the nor-  
mal needs of the market call for.  
Chrysanthemums are rapidly gaining  
in quantity, quality and prominence  
but are selling very poorly as com-  
pared with past seasons. Violets are  
in a similar position. Carnations  
show a trifle better front than they  
did. Summing up the general condi-  
tions, it may be truthfully said that  
they are decidedly unsatisfactory.

### PERSONAL NOTES FROM FLAT- BUSH, N. Y.

John Kemper has returned from a  
trip to his old home in Holland, where  
he enjoyed himself for several months  
and was rejuvenated by 20 years.  
Mrs. Kemper, his general superinten-  
dent, kept everything in first-class  
shape during his absence.

John Scott of Flatbush, who was  
laid up with typhoid fever, we are  
happy to say is well on his way to  
recovery and hopes to be around  
again in a short time, but two of his  
brothers are laid up with the same  
disease. His neighbor, Peter Wagner,  
is busy finishing up a fine double  
greenhouse, 50 x 150 feet, which he  
has put up himself, thus showing him  
to be as proficient an architect in  
greenhouse building as he is a good  
grower.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegas. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

4-inch.....50 cents each  
5 ".....75 " "  
6 ".....\$1.00 each  
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.

For page see List of Advertisers.

Asparagus Plumosus Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

Asparagus roots. Argentuill, raised on new land; good plants, 100 \$1.50. Robert A. Mitchell, Manchester by the Sea, Mass.

Asparagus plumosus Robustus, strong plants from 2-14 in. pots, \$3.00 per 100. Cash. W. S. Nichol, Barrington, R. I.

Asparagus, strong plants, 2 in. Plumous Natus, \$2.25; Spencei, \$2.00 per 100. Chas. Frost, Kenilworth, N. J.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.

Gloire De Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2-14 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss House. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.

For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Dutch Bulbs and Florists' Supplies.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit. L. E. Williams, Nottingham, N. H.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co.,

White Marsh, Md.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

H. A. Cook & Son, Shrewsbury, Mass.

Carnations Field Grown.

For page see List of Advertisers.

P. R. Quinlan, Syracuse, N. Y.

Wood Bros., Fishkill, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

Morel Bros., 624 E. Market St.,

Scranton, Pa.

Large quantity of fine Enchantress, \$5.00; also good Queen and Harlowarden, \$5.00; Perfection \$7.00; Victory \$6.50; Bountiful, medium, \$4.00. A. A. Gannett, Geneva, N. Y.

CARNATIONS, well grown stock of Joost, May Naylor (white) and Flora Hill, good stock, at \$4.00 per 100, \$5.00 per 100 to clear. Williams & Young, Norwalk, Conn.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRISTMAS PEPPERS

Morel Bros., 624 E. Market St., Scranton, Pa.

## CHRYSANTHEMUMS

Stock plants of Polly Rose, October Frost, Tonsset, Ivory, Wanamaker, ready, \$3 per 100; Beatrice May, Virginia Poehlmann, Alice Roosevelt, Miriam Hankey, Intensity, Mad Rosette, White and Yellow Bonaffon, \$4 per 100. Cash. Harlowarden Greenhouses, Greenport, N. Y.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## COLD FRAME MATS

Wm. Elliott & Sons, 42 Vesey St., N. Y.  
For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

## DECORATIVE EVERGREENS

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

## ELECTRIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

## EVERGREENS

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

## FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

# For List of Advertisers See Page 529

**FERNS — Continued**

Frank Oechslein, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.  
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.  
Nephrolepis Superblissima.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.  
For page see List of Advertisers.

German Kali Works, 93 Nassau St., New York.

Robert Simpson, Clifton, N. J.  
Sheep Manure.

For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

Werthelmer Bros., 550 Broadway, N. Y.  
Sparkling Dewdrop Chiffon.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Whitbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMullin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 422-28 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.

For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway, New York.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH — Continued**

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 23th and M Sts., Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hillinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Whitdin Pottery Co., Philadelphia.  
Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St., New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh, Md.

New and Standard Varieties.

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St., Chicago.

For page see List of Advertisers.

Parshelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.

For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.  
Peerless Glass Repair Champ.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham, Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,

1133 Broadway, New York

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

**GREENHOUSE BUILDING MATERIAL — Continued**

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.  
For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

Fancy Ferns.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St., New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago  
For page see List of Advertisers.

**HELP FURNISHED**

Thos H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Gay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Witthold Co., 1657 Buckingham Palace, Chicago.

Sweet William's, Canterbury Bells, Vinca Minor, Also Pansies, Robert A. Mitchell, Manchester-by-the-Sea, Mass.

**In writing to Advertisers kindly mention Horticulture**



## HERBACEOUS PERENNIALS— Continued

All strong field plants or roots of the following kinds. Price per 100. No less than 20 of one kind at these prices: *Anemone Jap.* White and blue, \$1.50; *Campanula Persicifolia*, blue and white, \$1.50; *Dianthus Plumarius*, hardy pinks, \$3.50; *Funkia Media Picta Var.* \$3.50; *Bocconia Cordata*, \$2.50; *Helenium Autumn.* Sup. \$2.50; *Oriental Poppies*, six named sorts, \$4.00; *Phlox* in variety, \$2.50; *Phlox Subulata*, Rose and Lilac, clumps, \$3.50; *Rudbeckia Newmanii* and Sub. *Tomentosa*, \$2.00; *Spinaea*, *Palmaria Elegans*, *Ulmaria Aurea*, and *Venus-ta*, \$3.50; *Eupatorium Agerotodes*, \$2.50; *Euphorbia Corolata*, \$2.50; *Helianthus Mollis Grand*, *Wooley Dodd* and *Decapetalus*, \$2.50. *German Iris* in mixture, \$1.50. *Palisades Nurseries*, Sparkill, N. Y.

## HOT-BED SASH

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

## HYDRANGEAS.

Elm City Nursery Co., New Haven, Conn.  
*Hydrangea Arborescens Grand. Alba.*  
For page see List of Advertisers.

## INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. B. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.

Stump & Walter Co., 50 Barclay St., New York.

Kiln-dried Tobacco Dust.  
For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

"The Black Stuff Fine Tobacco Powder"—Green flies, and black ones too, die on sight of the bag. 'Tis fine as flour, and made from the black strong tobacco; for dusting on foliage it has no equal. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

APHICIDE (nicotine paper) costs less per effectual fumigation than any other paper made. We guarantee this. We sell direct to the grower; the middleman's profit is placed in the nicotine strength of the paper. 24 sheets, each sheet 24 inches long, 65c. postpaid; 144 sheets, each sheet 24 inches long, \$3.50 express paid; 288 sheets, each sheet 24 inches long, \$6.50, express paid. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers.

## IRIS

W. C. Bebert, North Side, Pittsburg, Pa.  
Spanish Iris for Foreign  
For page see List of Advertisers.

## JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

## KENTIAS

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

	Each.	Doz.
Kentia Belmoreana, 6-in.	\$1.50	\$18.00
" 7-in.	1.75	21.00
" 8-in.	2.50	30.00
" 8-in. strong.	4.00	48.00
" 9-in.	6.00	
Kentia Forsteriana, 7-in.	2.50	30.00
" 8-in.	3.00	36.00
" 8-in. strong.	5.00	60.00
" 9-in.	6.00	72.00
Made-up Kentia Forsteriana	6.00	72.00
Wittbold Co., 1657 Buckingham Place, Chicago, Ill.		

## LEUCOTHOE

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

## MASTICA

F. O. Pierce Co., 12 W. Broadway, New York.  
For page see List of Advertisers.

## MISTLETOE

F. Cecil Barker & Co., Las Cruces, N. Mex.  
For page see List of Advertisers.

## MUSHROOM SPAWN

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

## MYRTLE

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

## NEW AND RARE PLANTS

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

## NEW RED HELENIUM

Frederic J. Rea, Norwood, Mass.  
For page see List of Advertisers.

## NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

## NURSERY STOCK

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.  
Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers.

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

J. H. Troy, New Rochelle, N. Y.

Silver Lindens Wanted

For page see List of Advertisers.

J. H. Troy, 24 East 34th St., New York, N. Y.

Lombardy Poplars Wanted

For page see List of Advertisers.

Red Rose Farms & Nurseries,

G. C. Watson, Trustee,

59 Market St., Philadelphia

Chester Side of Shipbrey

For page see List of Advertisers

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.

Norway and Sugar Maples.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS  
ELLWANGER & BARRY, Rochester, N. Y.

## ORCHID BASKETS

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

## ORCHID PLANTS

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.

For page see List of Advertisers.

## ORCHID PLANTS—Continued

Ordonez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

## PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

## PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

## PALMS

Henry A. Dreer, 714 Chestnut St., Philadelphia.

## PANSY PLANTS.

Augustus Zingiebel, Needham, Mass.  
For page see List of Advertisers.

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

## PATENTS

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers

## PEAT

Wm. Mathews, Utica, N. Y.  
Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

## PEONIES

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the best collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

## PHLOXES

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

Phlox Perennial. Three best whites in existence. Strong field plants of Madame Lingard and Mrs. E. E. Jenkins, \$40.00 per 1000, \$5.00 per 100, 75c. per doz. F. G. Von Lassburg, \$6.50 per 100, \$1.00 per doz. Palisades Nurseries, Sparkill, N. Y.

## PIPE AND FITTINGS

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

## PLANT STANDS

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

## POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

## POINSETTIAS

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

## PRIVET

800,000 Cal. Privet, 2 years old, 2 1/2 to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**RHUBARB AND ASPARAGUS FOR FORCING**

Warren Shinn's Nurseries, Woodstown, New Jersey.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

M. H. Walsh, Woods Hole, Mass.  
For page see List of Advertisers.

**ROSES — Continued**

Extra large 3 yr. Climbing, on own roots, Dorothy Perkins, Seven Sisters, Balt. Belle, Pink, White and Yellow Rambler, Queen Alexandria, \$9 per 100. Phil. and Crinson Rambler, and Prairie Queen, \$12. Mandas Triumph, Debutante, Jersey Beauty, St. Wagner Park Conservatories, Sidney, Ohio.

Low-budded roses, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Roses, strong, own root, 4 inch Chateau, Killarney, Richmond and Maid, \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

T. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Cyclamen Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.

Grasian Seed Growers Co., San Jose Cal.  
For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.

Seeds, Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SMILAX**

R. Vincent Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

Morel Bros., 624 E. Market St., Scranton, Pa.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

We have our large stock of fresh, clean, Sphagnum, Leaf Mould, Orchid and Rotted Peat. Can supply any amount wanted, best quality only, at reasonable prices. Write for samples and prices. American Moss & Peat Co., Box 6, Waretown, N. J.

We have a large stock of fresh gathered sphagnum. Sample bale shipped on request to prove the quality and quantity. The Ocean Co., Moss & Peat Co., No. 11, Waretown, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O

**SULFUR BURNER**

Benj. Dorrance, Rose Growers, Dorranceton, Pa.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.

For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.

For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1188 Broadway, N. Y.

**VERONICA**

Longifolia Subsessilis (Blue Jay Flower), the best of all hardy plants for cutting or bedding. Extra strong field clumps, \$6.50 per 100, \$1.00 per doz. First size field plants, \$5.50 per 100, 80c. per doz. Strong field plants, \$4.50 per 100, 60c. per doz., \$35.00 per 1000. Palisades Nurseries, Sparkill, N. Y.

**VINCA**

Vinca variegata, strong field-grown, \$3.25 per 100. Chas. Frost, Kenilworth, N. J.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.

For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Welgel & Ujfalussy, 136-138 W. 28th St., New York.

Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 228 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— Continued Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

#### New York

J. S. Fenrich, 110 W. 28th St., New York  
For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York  
For page see List of Advertisers.

John I. Baynor, 49 W. 28th St., New York  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New York  
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 28th St., New York  
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 28th St., New York  
For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York  
For page see List of Advertisers.

John Young, 51 W. 28th St., New York  
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.

George Saltford, 43 W. 28th St., New York  
For page see List of Advertisers.

Frank Millang, 55-57 W. 28th St., New York  
For page see List of Advertisers.

E. S. Shinn, 55-57 W. 28th St., New York  
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.

Growers' Cut Flower Co., 39 W. 28th St., New York  
For page see List of Advertisers.

#### Philadelphia

W. E. McKissick, 1619-1621 Ransstead St., Philadelphia, Pa.  
For page see List of Advertisers.

Leo Nissen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

#### Pittsburg

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

#### St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

#### WILD SMILAX

E. A. Heaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

#### BULBS.

Clary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

#### BULBS.

The F. R. Pierson Co., Tarrytown-on Hudson, N. Y.  
For page see List of Advertisers.

#### BULBS.

H. P. Michell Co., 1016 Market St., Phila.  
For page see List of Advertisers.

#### CHRYSANTHEMUMS.

Chas. H. Totty, Madison, N. J.  
For page see List of Advertisers.

#### PEONIES.

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

### FARM IMPLEMENTS IN TASMANIA.

#### Much American Trade Lost Because Patterns Do Not Suit.

In reporting that there should be a good market in Tasmania for American cultivating implements, Consul Henry D. Baker, of Hobart, goes into the following details:

In these implements there is already a fair trade, and in certain lines, such as scufflers and other market garden tools, the makers from the United States have the bulk of the trade. In other and more important lines, such as plows, cultivators and harrows, there is a chance to largely increase the business. As a fact, the trade with the United States in many classes of implements is smaller now than it was ten years ago. The reason for this seems to be that the patterns do not suit the requirements of the Tasmanian farmer.

#### Cultivators and Plows.

In regard to cultivators, few makers in the United States make a spring-toothed machine on high wheels. The spring-tooth harrow with its low wheels and frame close to the ground is not entirely suitable, as the Tasmanian farmers are cultivating their land all through the winter months when there are often only three fine days in a week.

Any low-framed cultivator will clog up in stubble land, and a large proportion of the farmers use the high-framed machines, which are mostly imported from Canada. These Canadian machines, including the duty, cost about \$60 landed in Tasmania, and retail at from \$70 to \$80, according to the terms of settlement.

In plows the American patterns are also found to be unsuitable. They have had a fair trial, as some ten years ago some of the largest importers obtained shipments from some of the leading makers in the United States, one Indiana firm supplying as many as 3,000 plows in a single season. The reason they were imported was very dry and they sold readily. In the normal Tas-

manian winter the American patterns are not liked, as the short breast and wide share cause them to clog up in the clay soils. The market is almost entirely supplied by Canadian makers, who supply a plow made from patterns brought over to Canada by the Scotch immigrants.

Manufacturers in the United States do not seem to have made themselves acquainted with Tasmanian requirements. For instance, when the Hobart exhibition was opened an enterprising firm in the United States sent out a consignment of plows. Nearly all of these were riding plows. As Tasmanian winters are cold, and much of the land contains stones and roots, riding plows are most unsuitable, particularly for British-trained farmers. Further, many manufacturers are constantly sending traders' catalogues of corn-planting machines, corn harvesters, and shedders. As an acre of corn has never ripened in Tasmania, the climate being unsuitable, the sending of this literature is wasted energy.

It may be mentioned that Canadian makers have imported plows from Tasmania for inspection and have made up and exported to this State plows made up in the same pattern. It would certainly pay makers in the United States to do the same.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 3 1/4 " " "	5.25	60 8 " " "	3.00
1500 2 1/2 " " "	6.00	HAND MADE	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
144 6 " " "	3.16	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hillinger Bros., Pottery, Fort Edward, N. Y. August Folker & Sons, Agts., 31 Barclay St., N. Y. City.

### Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

## List of Advertisers

	Page		Page
Advance, The Co.	531	McManus Jas.	522
American Nursery	504	Meyer J. C. & Co.	519
Aschmann G.	503	Michell H. F. Co.	517-29
Atlanta Floral Co.	518	Michigan Cut Flower Exchange	523
Barker F. Cecil & Co.	523	Millang Bros.	522
Bambrick Thos. H.	529	Millang Frank.	522
Barrows H. H. & Son.	513	Mitting, A.	517
Bassett & Washburn	502	Moninger J. C.	531
Bayersdorfer H. & Co.	519	Moon Samuel C.	504
Bay State Nurseries	504	Moore, Hentz & Nash	522
Beaven E. A.	523	More-Livingston Co.	519
W. C. Bickert	516	Morse C. C. & Co.	517
Berning H. G.	523	Murdoch J. B. & Co.	520
Boddington A. T.	517	Murray Samuel	518
Boston Florist Letter Co.	519	New England Nurseries	504
Boston Plate and Window Glass Co.	530	Niessen Leo Co.	520
Bostrom-Brady Mfg. Co.	521	North Carolina Evergreen Co.	520
Braslan Seed Growers Co.	517	Oechslein Frank	503
Breck Joseph & Sons	517	Ordonez Bros.	514
Breitmeyer's J. Sons	508	Ouwkerk P.	504
Bridgeman's Seed Warehouse	517	Palethorpe P. R. Co.	529
Budlong J. A.	520	Park Floral Co.	518
Burpee W. A. & Co.	517	Parshelsky Bros.	530
Carrillo & Baldwin	514	Payne John A.	530
Castle Co.	530	Pennock-Meehan Co.	520
Chicago Carnation Co.	502	Perkins St. Nurseries	503
Clarke's David, Sons	518	Pierce F. O. Co.	530
Cleary's Horticultural Co.	504-515	Pierson, A. N.	501
Cotsonas Geo. & Co.	523	Pierson F. R. Co.	515
Cowee W. J.	523	Pierson U Bar Co.	532
Craig, Robt. Co.	502	Piehlmann Bros. Co.	520
Crawback Geo. W.	513	Pratt B. G. Co.	529
Dingee & Conard Co.	504	Pulverized Manure Co.	516
Doane Geo. B. & Son	531	Quaker City Machine Co.	531
Dorner F. Sons & Co.	502	Kaynor John I.	522
Dreer H. A.	503-530	Rea Frederic J.	502
Dunlop John H.	518	Red Rose Farms and Nurseries	504
Dysart R. J.	519	Reed & Keller	523
Edwards Folding Box Co.	520	Reinberg Peter	520
Elliott Wm & Sons	516	Ribsam Carlman	504
Elm City Nursery Co.	504	Rice Bros.	520
Euler J. G.	531	Rickards Bros.	517
Ernest W. H.	528	Robinson H. M. & Co.	520
Eyres	508	Rock Wm. L. Flo. Co.	518
Farquhar R. & J. & Co.	516	Roehrs Julius Co.	514
Fenrich J. S.	522	Roper Albert	502
Fiske, H. E. Seed Co.	517-529	Roland, Thomas	502
Foley Mfg. Co.	531	Rolker August & Sons	528
Ford Bros.	522	Rose Hill Nurseries	504
Froment H. E.	522	Saltford Geo.	522
Galvin Thos. F.	518	Sander & Son	514
Green Chas. H.	502	Schultheis Anton	502
Greater N.Y. Florists Association	523	Schulz Jacob	519
Grey T. J. Co.	517	Scott, John	503
Growers' Cut Flower Co.	522	Sharp, Partridge & Co.	530
Gude Bros. Co.	518	Sheridan W. F.	522
Guttman Alex. J.	522	Shinn's, Warren Nursery Stock	541
Hall Asso.	531	Siggers & Siggers	531
Hartmann Hjalmar & Co.	517	Simpson Robt.	516
Hauswirth M. C. & J. E.	517	Situations & Wants	529
Heacock Joseph	503	Slinn B. S. Jr.	522
Herbert David & Son	502	Smyth Wm. J.	518
Hews A. H. & Co.	528	Standard Plate Glass Co.	530
Hilfinger Bros.	528	Stearns A. T. Lumber Co.	531
Hill, The E. G. Co.	504-514	Stump & Walter Co.	529
Hoffman	519	Thorburn J. M. & Co.	517
Horan E. C.	522	Totty Chas. H.	522
Houghton & Clark	518	Traendly & Schenck	522
Hunt E. H.	529	Troy J. H.	504
Kervan The Co.	523	Twomey D. J.	504
Kessler, P. F.	522	Valentine, J. A.	518
King Cons. Co.	530	Vincent R. Jr. & Sons	502-516
Klokner Alexander	530	Walsh M. H.	502
Kroeschell Bros. Co.	531	Waterer John & Sons	504
Kuebler Wm H.	523	Watson, G. C.	504
Lager & Hurrell	514	Weathered Co.	532
Langjahr, Alfred H.	522	Weber F. C.	518
Leuthy A. & Co.	503	Welch Bros.	520
Lord & Burnham Co.	532	Weigel & Ujfalussy	523
Lutton W. H.	531	Whilldin Pottery Co.	528
Manda Jos. A.	514	Wilson	518
MacMullen E. A.	518	Winterson, E. F. Co.	520
Mathews Wm	514	Witthold Geo. Co.	513
McCarthy N. F. & Co.	517-523	Wood Bros.	502
McConnell Alex.	518	Woodrow, Sam'l A.	523
McKellar Charles W.	520	Yokohama Nursery Co.	502
McKissick, W. E.	520	Young A. L.	523
		Young John	523
		Young & Nugent	518
		Zangen O. V.	517
		Zinn Julius A.	518
		Zingelbe A.	525
		Zvolanek A. C.	517

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

## SITUATIONS WANTED

**SITUATION WANTED**—In greenhouse, by young man, 21, American; some experience with vegetable plants. Not afraid of work, and no bad habits. References given. Please state wages, with or without board. Address Wm. L. Homan, Ramsey, N. J., care Geo. Welch.

**WANTED SITUATION**—As forester or park foreman. Good references. Address B, care HORTICULTURE, 11 Hamilton Place, Boston.

## FOR SALE

**FOR SALE**—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

**FOR SALE**—An old-established retail florist business in fine location. Ill health reason for selling. A splendid opportunity. For particulars address Miss La Rochelle, 8th Ave. and 22d St., New York City.

\$7200 will buy three greenhouses, two acres and a house. Thirty minutes from Thirty-fourth Street ferry. Call or write to John Josinsky, 120 East 5th Street, New York City.

Selling out cheap for cash. Greenhouse, new last year 13 1-2 x 34 ft., plants, pots, 1 1-2 in. and 2 in. pipes, sash and frames. E. M. Ingalls, 43 Whiting Street, Lynn, Mass.

## October Already!

Fall Business Will Be Just What YOU Make it.

We have room for your Advertisement. Anything from Cent a Word in Buyers Directory to a Double Page Announcement.

If you want Fall Business Get Busy NOW.

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

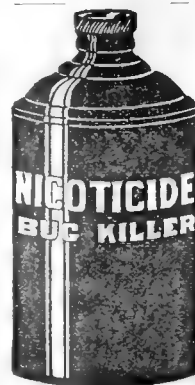
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



The Best  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the purest tobacco, free from sand and dirt, strong in nicotine and all ways of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. \$1.25, 25 lbs. \$2.25, 50 lbs. \$3.00, 100 lbs. \$4.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

Is Your Name In The Above List? If Not, Why Not?

**GREENHOUSES BUILDING OR CONTEMPLATED.**

Hanover, Mass.—J. W. Beal, additions.

W. Allis, Wis.—Henry Finger, one house.

Patuxent, Md.—W. Leubbers, one house.

Middlebury, Vt.—C. D. Bingham, one house.

New Bedford, Mass. S. J. Donaghy, house 26x62.

Shrewsbury, Mass.—C. H. Hutchins, house 15x65.

Watertown, Mass.—John K. Jensen, house 15x108.

Houlton, Me.—Harry Chadwick, range of houses.

Newport, R. I. Mrs. W. B. Leeds, range of houses.

Muskegon, Mich.—C. S. Butterworth, house 25x150.

Spokane, Wash.—Inland Nursery & Floral Co., one house.

Stevens Point, Wis.—W. E. Macklin, two houses each 20 x 35.

Floral Park, N. Y.—Charles H. Allen, carnation house 35x100.

Milwaukee, Wis.—Holton & Hunkel Co., house 16x100 for storage.

Portland, Ore.—Park Commissioners, Columbia Park, one house.

**FIRE RECORD.**

The plant of E. A. Muchow, Clarence, N. Y., was damaged by fire on Oct. 4; loss, about \$3000; partially insured.

A large barn belonging to Rane & Hall, Waban, Mass., was destroyed by fire on the night of Saturday, Oct. 10. Two horses, several wagons, harness, an automobile, hot bed sashes, and a large quantity of hay and grain, were also burned—and considerable glass in the greenhouses was broken. The loss is from \$5,000 to \$6,000, partially insured. E. W. Rane, senior member of the firm, is State Forester.

**PATENTS GRANTED.**

900,137. Weeder and Cultivator. William C. Warfield, Eminence, Kans.

900,443. Lawn-Mower. William E. Steuben, Visalia, Cal.

The Castle Company report a brisk demand for their new pipe coupler from greenhouse men all over the country. State experiment stations are also interested in this ingenious device. The New York Agricultural College has sent for drawings of the Automatic Circulator to be used in the classes in the study of greenhouse heating.

## BOSTON PLATE & WINDOW GLASS CO.

### GREENHOUSE GLASS

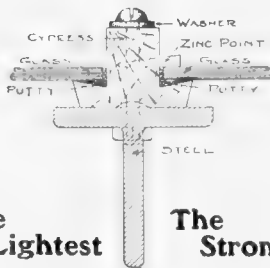
German and American

261 to 287 A St., Boston 20-22 Canal St.

**Holds Glass Firmly**  
See the Point & **PEERLESS**  
FULL SIZE No. 2  
Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cts. postpaid.  
**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.



## The Payne Steel "T" Bar Greenhouses



The Lightest

The Strongest

Half full Size

HOUSES of this type are constructed with both curved glass eaves and straight glass eaves. Least amount of shadow. Least amount of wood. No drip. Greatest durability.

### JOHNA. PAYNE

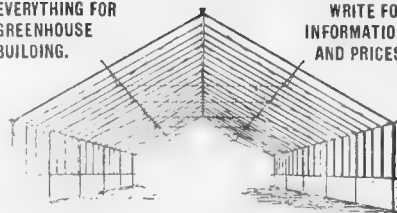
Greenhouse Designer and Builder

260-274 Culver Avenue

**JERSEY CITY, N. J.**

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



King Greenhouses. King Gutters and Eaves.

Trussed Roofs. Ventilating Machinery.

Trussed Iron Frame Houses.

Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

# GREENHOUSE GLASS

JOBBERS AND DEALERS IN

Plate and Window Glass

Write for Our Prices

## PARSHELSKY BROS.

59 Montrose Ave., BROOKLYN, N. Y.

## The CASTLE SPECIALTIES

For full description of the **AUTOMATIC CIRCULATOR** and the **CASTLE TUBE AND PIPE COUPLING** for Steam or Hot Water, see issue of HORTICULTURE for September 26. The Coupler is the simplest device for repairing a defective pipe and makes at once a **Flexible Expansion Joint**. Sample Couplers forwarded at 50c each.

### THE CASTLE COMPANY

Heating Engineers

170 Summer St., Boston

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

Always Write Us Before Buying

**SHARP, PARTRIDGE & CO.**

22n and Lumber Streets, CHICAGO

WE HAVE SOME SNAPS

THE **PEERLESS** REPAIR CLAMP  
PATENT APPLIED FOR



**MADE OF ZINC**

To Mend Cracked Glass Immediately and Permanently

For sale by jobbers. Box of 150 for \$1.00, or address  
**A. KLOKNER, Wauwatosa, Wis.**

## MASTICA

FOR Greenhouse Glazing

USE IT NOW.

**F. O. PIERCE CO.**

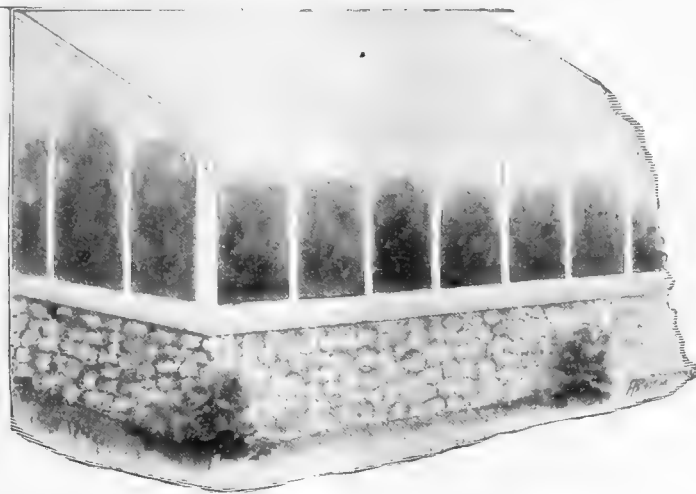
112 W. Broadway and

227 Greenwich St.

NEW YORK





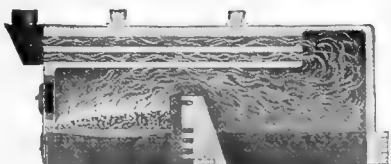


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. THE MOST IMPORTANT OF THEM ALL. The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

An Indiana Florist writes us: "I have the machine in place and it works fine. Was no trouble to set up. We will need two more machines soon." A trial order convinces our customers that we have the goods that "makes good" every time. They are a pleasure to have in the house. One price to all, the best of material and service makes friends of trial customers and keeps them. Why not give us a trial?

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam,  
Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making of material for

### GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

### GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

**GREENHOUSE CONSTRUCTION**  
**LUMBER**

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

## PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

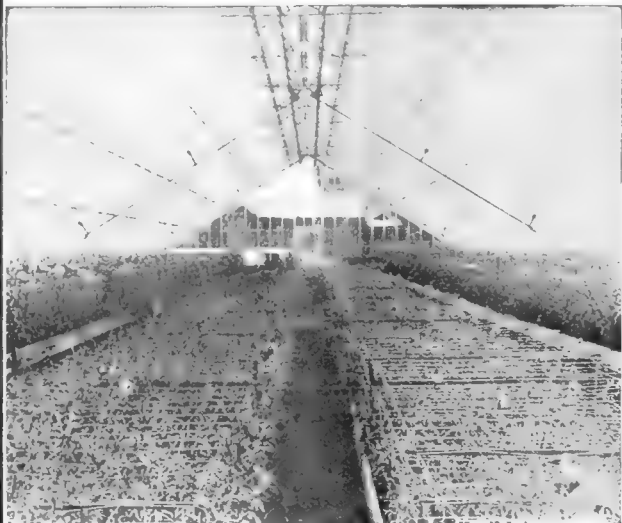
Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

**The FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1/3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

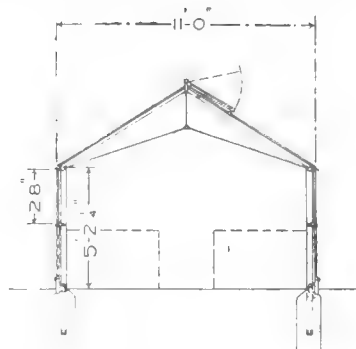
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.



## AN IDEAL SMALL GREENHOUSE

This section shows our ideal violet, propagating or small greenhouse for general purposes. It is of Semi-Iron construction, but no purlins or columns are necessary for this width house. The roof is supported and the sides are kept from spreading by the iron tie rod which extends from eave to eave. This tie is supported in the center by a rod suspended from the ridge. It has an exceptionally large bench area, as but little of the space is taken for the single walk.

You will find the plan and elevation on page 22 of our Handy Hand Book — or better still, write us.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## HERE IS A U-BAR RANGE AT TUXEDO PARK

You see it is laid out on purely practical lines — no fuss or feathers — and that's another U-Bar strong point — their **absolute practicalness**. The whole question gets right down to, not can you afford a U-Bar house — but **how can you afford to build any other?** That is, if you want more and better blooms and a greatly decreased coat of maintenance. It is the ideal construction for private estates, parks, public institutions and florists' show rooms. Send for catalog

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. OCTOBER 24, 1908 No. 17



RHODODENDRON PLANTATIONS  
J. B. Duke Estate, Somerville, N. J.

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*





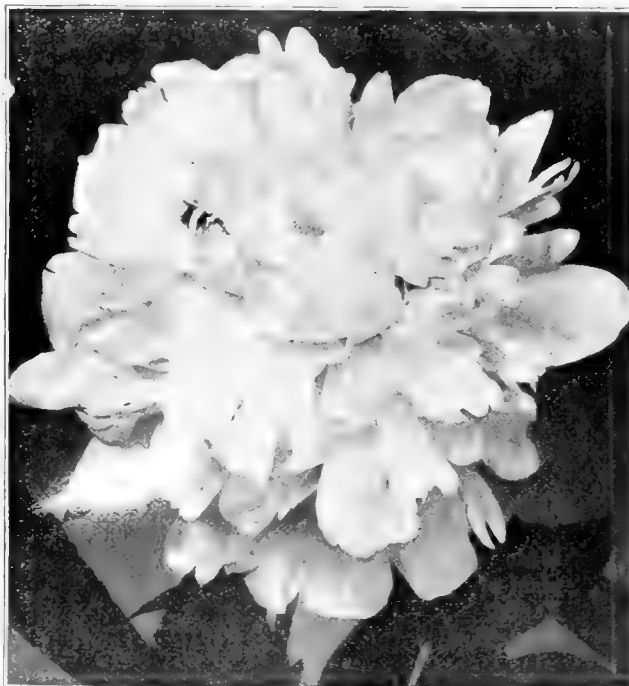
# PEONIES

## Special Prices for OCTOBER Delivery

We offer for delivery during October the following select list of **HARDY HERBACEOUS PEONIES**, of which we have an exceptionally large stock of our own growing, strictly true to description; all in strong divisions, with from 3 to 5 eyes each.

Note reduction in price of many of the higher class varieties compared to former offers.

	Per doz.	100	1000
<b>Alba Plena</b> —A useful white cut flower variety.....	\$1.50	\$10.00	\$50.00
<b>Andre Lauries</b> —A fine tyrian rose, late.....	.85	6.00	50.00
<b>Alex. Verschaffelt</b> —Bright reddish violet; tipped white.....	2.00	15.00	
<b>Amabilis Lilacina</b> —Pale lilac white, changing to pure white.....	.85	6.00	50.00
<b>Baroness Rothschild</b> —Violet rose, with lighter shadings.....	1.25	8.00	75.00
<b>Bicolor</b> —Violet rose, with white center.....	.85	6.00	50.00
<b>Chrysanthemiflora Kosea</b> —A fine large deep rose-pink, with paler shadings in the center; early.....	.85	6.00	50.00
<b>Duc de Uzès</b> —Guard petals tyrian rose, center soft rose-pink. A beautifully formed flower.....	1.25	8.00	75.00
<b>Duchesse de Nemours</b> —An extra fine large pure white.....	3.50	25.00	
<b>Delachei</b> —Brilliant crimson maroon; late.....	1.50	10.00	90.00
<b>Festiva Maxima</b> —Pure white, center petals occasionally tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
<b>Festiva Alba</b> —Popular white for cutting.....	1.50	10.00	90.00
<b>Floral Treasure</b> —Clear pink; fragrant.....	2.50	20.00	
<b>Grandiflora Alba</b> —Large pure white, with creamy white center.....	2.00	15.00	
<b>Grandiflora Rosea</b> —Bright rosy carmine, large and double.....	2.50	20.00	
<b>Grandiflora Rubra</b> —Deep crimson carmine, large and full.....	1.75	12.00	
<b>Humei Rosea</b> —Beautiful pale rose, flower of immense size; late.....	1.50	0.00	90.00
<b>Lady Bramwell</b> —A beautiful silvery rose of large size and fine form.....	1.50	10.00	90.00
<b>Louis Van Houtte</b> —Brilliant crimson maroon of good size.....	1.50	10.00	90.00
<b>Ne Plus Ultra</b> —Violet rose guard petals, mauve rose center.....	1.00	7.00	60.00
<b>Pottsi Rosea</b> —Light Solferino red, with lighter center. A medium-sized but well-built flower.....	1.50	10.00	90.00
<b>Prolifera Bicolor</b> —Fresh white with amber yellow center.....	1.25	8.00	75.00
<b>Psyche</b> —Bright violet rose, with lighter center.....	.85	6.00	50.00
<b>Rosea Superba</b> —Fine silvery rose of large size.....	1.25	8.00	75.00
<b>Reine des Roses</b> —Soft violet rose, large double flower.....	2.00	15.00	
<b>Rosea Elegans</b> —Guard petals silvery rose, creamy white center suffused with rose; a fine large flower.....	1.25	8.00	75.00
<b>Victoire Tricolore</b> —Guard petals delicate lilac rose, center light salmon yellow.....	1.25	8.00	75.00
<b>Victoire Modeste</b> —Bright lilac rose, with full center of amber white.....	1.50	10.00	90.00
<b>Whitley Plena</b> —A fine early white.....	1.50	10.00	90.00
<b>Zoe Calot</b> —White, suffused with delicate rose.....	1.50	10.00	90.00



Peonies in Mixture

	Per doz.	100	1000
<b>Officialis (Mutabilis) Alba</b> —Blush white.....	\$1.50	\$10.00	\$50.00
<b>Officialis (Mutabilis) Rosea</b> —Soft pink.....	1.50	10.00	
<b>Officialis Rubra</b> —Crimson.....	1.00	7.00	
<b>Tenuifolia plena</b> —Crimson.....	3.00	22.50	

	Per doz.	100	1000
<b>Double White</b> (mixed sorts).....	\$0.85	\$6.00	\$50.00
<b>Double Pink</b> (mixed sorts).....	.75	6.00	47.00
<b>Double Red</b> (mixed sorts).....	.75	6.00	50.00
<b>Double Mixed</b> (all colors).....	.75	6.00	50.00
<b>Single Mixed</b> (all colors).....	1.25	7.00	75.00
<b>Single Pink</b> (mixed sorts).....	.85	6.00	50.00

For a complete list of Hardy Plants suitable for fall planting, including our specialties, **Phlox, Iris, Tritomas, Anemones**, etc., see our Fall catalogue. If you have not received a copy, write for same.

## HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

### BARGAINS

in **KENTIAS** and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengerii.

#### SMALL FERNS

for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

**GODFREY ASCHMANN**

1012 West Ontario St., Phila., Pa.

### FERNS FOR DISHES

**Assorted Varieties**  
From 2-in. pots, \$3.00 per 100;  
\$25.00 per 1000.

**Primroses, Chinese**—Nice assortment of colors. 2½ in. pots, \$3 per 100; 3½ in. pots, \$5 per 100.  
**Primula Obconica**, Fine stock, 2½ in. pots, \$3.00 per 100.

Cash with Order.

**FRANK OECHSLIN,** 2570-2606 W. Adams Street, CHICAGO  
Formerly Garfield Park Flower Co.

### NEPHROLEPIS SCOTTII

in the following sizes, extra good value

25c., 50c., 75c., and \$1  
Grand Specimen Plants at \$3, \$4, \$5, \$6.

**JOHN SCOTT**

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N.Y.

**NEP. WHITMANI**

2¼ in., \$5.00 per 100

**NEP. WHITMANI**

3½ in., \$25.00 per 100

**BOSTON FERNS**

2¼ in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

Established 40 Years

### Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

### A. N. PIERSON, Inc.

**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

Prices Quoted in these Columns are for Dealers Only. When Writing to Advertisers Please Mention HORTICULTURE.



## HEACOCK'S PALMS

Order now while they can be shipped by freight saving heavy expressage.

Our stock consists of strong, healthy well established, home grown plants.

A visit to our Greenhouses will convince you, 25 minutes from Philadelphia, 50 trains each way every day.

Get your orders in early—it pays.

### WHOLESALE PRICE LIST

#### COCOS WEDDELLIANA

2 1/2 in. pot, 8 to 10 in. high.....	\$10.00
2 1/2 " " 10 to 12 " .....	15.00

#### KENTIA BELMOREANA

5-in. pot, 6 to 7 leaves, 18 in. high.....	\$6.00	50.00
5 " " " 20 " .....	4.00	70.00
7 " " " 32 to 34 " .....	2.50	
7 " " " 36 to 38 " .....	3.00	
9 in. tub, " 42 to 48 " .....	5.00	
" " " 50 to 60 " .....	7.50	

#### KENTIA FORSTERIANA

6-in. pot, 5 to 6 leaves, 28 to 30 in. high.....	1.00	12.00
6 " " " 30 to 32 " .....	1.25	15.00
6 " " " 34 to 36 " .....	1.50	18.00

#### MADE-UP KENTIA FORSTERIANA

7-in. pot, 4 plants in pot, 34 to 36 in. high.....	2.50
7 " " " 36 to 38 " .....	3.00
9-in. tub, 4 " 42 to 48 " .....	5.00
6 " " " 4 feet high, heavy....	6.00

#### CIBOTIUM SCHIEDEI

7-in. pot, 2 1/2 to 3 ft. spread.....	2.00
9-in. tub, 4 to 5 ft. " .....	5.00

We call attention to our Kentia Belmoreana and Kentia Forsteriana in 7 inch pots and 9 inch tubs as being of extremely good value.

All measurements from top of pot.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Made up  
plant of  
Kentia  
Forsteriana

## AZALEAS NEW IMPORTATIONS NOW READY

If you have not already secured all the Azaleas that you want for Christmas-forcing or later and Easter-flowering, you will find it to your advantage to purchase at once, while the plants can be forwarded by freight, thus saving in cost of transportation, as later, after cold weather, plants will have to be shipped by express; and as Azaleas are heavy, it is to your advantage to order them now and have them shipped while they can travel safely by freight.

Besides this, you can secure the varieties wanted before assortments are broken. Plants are in fine shape, well budded, and we offer the best commercial varieties, as follows:

Apollo, Bernhard Andrea Alba, Deutsche Perle, Empress of India, Mme. Jos. Vervaene, Mme. Van der Cruyssen, Mrs. Petrick, Niobe, Paul Weber, Prof. Wolters, Simon Mardner, and Vervaeneana.

Strong Plants, 10 to 12 inch in diameter,.....	\$4.80	per doz.	\$35.10	per 100
" " 12 to 14 " " .....	6.00	" "	45.00	" "
" " 14 to 16 " " .....	7.20	" "	55.00	" "
" " 16 to 18 " " .....	12.00	" "		
" " 18 to 20 " " .....	24.00	" "		

Dwarf or Miniature **AZALEAS** { Firefly, or Hexe. Brilliant Crimson. } \$3.60-per doz., \$25.00 per 100.  
F. R. PIERSON CO., { Chas. Encke. Beautiful shade of pink. }

Tarrytown-on-Hudson, NEW YORK.

## New Red Helenium

H. Autumnale Superbum Rubrum

Tall Growing. Fall Flowering.  
Color terra-cotta Red.

First-Class Certificate Mass. Horticultural Society.

Fine plants, \$8.00 per 100

FREDERIC J. REA,

NORWOOD, MASS.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

## DECORATIVE PLANTS

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias, Latanias, Arecas, Etc. Perennials and Shrubs.

4 inch Araucarias,.....	50 cents each.	6 inch Araucarias,.....	\$1.00 each.
5 " " " .....	75 " "	7 " " " .....	\$1.25 and \$1.50 "

### FERNS FOR DISHES.

SEND FOR OUR PRICE LIST.

WE HAVE A COMPLETE STOCK.

**The Geo. Wittbold Co.**

1657 Buckingham Place,

Chicago, Ill.

## DAHLIAS.

reties in any quantity; prompt delivery.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc.

ATCO, N.J.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

## Rocky Mountain Rambles

I.

### SOME UNFAMILIAR PLANTS

I made my first outing in the Rocky Mountains in 1895, and since have made many more, not only to study the plants of the region but also to enjoy the woods and brooks. The first trip was a revelation to me. Many of the plants I had never before seen growing, although they were familiar to me from herbarium specimens. We had passed the Nebraska-Colorado line and were on the high plain east of Denver at evening. As the train sped along the air was filled with the perfume of a white-flowered plant, a near relative of our common Four O'clock, known to botanists as *Abronia fragrans*. I had never seen it in cultivation and wondered why a plant with such beautiful clusters and delightfully fragrant blossoms should not find a place in our gardens. So far as known to me this plant is seldom seen in cultivation, but should be. There were also to be seen along the railroads many other plants, among them the Prickly Poppy (*Argemone platyceras*) common from Nebraska west to Utah. In places it covers many acres. The large white blossoms are handsome. The species has been cultivated and some think it a most desirable plant. It is, however, a bad plant to handle; the setose hispid hairs inflict injuries that are as exasperating to the collector as are those from the common cactus. The Evening Primrose (*Oenothera*) is numerous in species. The *E. speciosa* an erect perennial with large white or rose colored flowers is found plentifully on the plains and the lower foothills of the mountains, and is a most desirable plant and should be cultivated. The *E. Missouriensis*, a low caulescent perennial, with large, yellow, axillary flowers sometimes forms large patches in shady ground. It is surely a most desirable plant for cultivation.

From central Nebraska and westward occurs a large cucurbit with a large fusiform root, thick triangular cordate leaves, and large, yellow flowers; up the Arkansas it is abundant. On the plains is a large rooted Morning-glory (*Ipomoea leptophylla*) with a root that at times is said to weigh 100 pounds. Unlike our native species the stems are erect or ascending. The large flowers are three inches long.

### THE STATELY YUCCA

Of all the plants on the plains none are more interesting than the Yucca. On my trips to the Rocky Mountains I have always been a little too late to see the *Yucca glauca* in bloom. This year during the month of June I found this beautiful plant in full bloom at Denver, Manitou, and Placerville. It was a glorious sight to behold the thousands of plants in full bloom. The pendant more or less bell-shaped, yellowish-white flowers, hang in ample racemes and make a fine display in the otherwise monotonous landscape. They were growing abundantly in stony ground, on steep banks and in level places. One wonders why the Yucca is not planted more extensively in our gardens than it is. There is surely a place for it in many of the gardens in the Mississippi Valley. It is perfectly hardy as far north as Northern Iowa, since it is indi-



YUCCA GLAUCA AT MANITOU, COL.

genous to the western part of the state, extending northward to South Dakota. The picture shown here was taken near Manitou, Colorado.

### THE COLORADO STATE FLOWER

This year the Rocky Mountain Columbine was in all its glory. In my first trip out of Denver up the mountains saw people carrying large bunches of this plant, which is an inhabitant of the pine and aspen woods. It grows from 7000 feet to timber line. No wonder the state of Colorado has adopted it as the state flower. No other American species is quite as handsome and grows so abundantly. The eastern species has a wider distribution but it is not as beautiful. As we were coming down the mountain near Palmer Lake, there was given to us a Moccasin flower (*Cypripedium pubescens*), the same species found in the East. It is, of course, a rare plant in the Rockies.

### GEMS OF THE MOUNTAIN WOODS

As we went up the mountain in June the Western Choke Cherry (*Prunus demissa*) was in full bloom and with it a kind of Raspberry (*Rubus deliciosus*). Later the Salmonberry (*R. Nutkanus*) was in bloom. It seems that there should be a place for this plant in our gardens. In the foothills one finds a great deal of a spiraea with fragrant leaves, the *Holodiscus discolor*. The western Geranium has great possibilities under cultivation. The parks and woods show a continuous bloom of these species. Add to these the great Fireweed (*Epilobium angustifolium*) so common in the north, which is everywhere abundant at higher altitudes, especially where the woods have been burned. In many streams and brooks we find a yellow-flowered mimulus (*M. Jamesii*) occurs and in some places a large flowered purplish kind, the *M. Lewei*. The service Berry (*Amelanchier alnifolia*) Mountain Mahogany (*Cercocarpus parvifolius*) and *Purshia tridentata* all add charm to these woods, each species in its appropriate place, the Mahogany in dry arid soil and the Service berry in more moist places, generally, although it sometimes occurs in dry places.

Ames, Iowa.

L. A. Samuel

Tree Talks

I.

WASTE AND IMPROVIDENCE

A few generations ago an almost unbroken forest covered the greater part of this continent. Looking from the tops of our highest mountains only a few small patches, laid open for the cultivation of corn, could be seen: now those old woods have nearly disappeared. The new settler, at that time, cleared in a year more acres than he could cultivate in ten, and destroyed in one burning enough wood to last twenty years. The same destruction is still going on in the adjoining provinces. I have seen hundreds of acres of what we would call valuable wood and timber logged and ready to fire. The only product would be a few hundred pounds of potash, two or three crops of potatoes, oats or buckwheat, and a crop or two of hay, when the land would be abandoned and another strip of timber would be cut down and treated in the same manner. So the indiscriminate waste goes on, and in a few years, if this work continues, the Provinces will be as short of good timber as we are at present, although I believe the government of Canada has taken some steps to try and preserve its forests.

ANDOVER'S LOST BEAUTY

Thirty-five years ago the town of Andover, Mass., contained as fine groves of pines and other woods as there were in the State. From Wilmington to the edge of the Merrimac there were many large tracts of beautiful old woods, which it was the pride of my boyish days to travel through, collecting the beautiful flowers that grew there. In those woods I gathered the most of my knowledge of the plants and trees of eastern Massachusetts, and it pains me to see them disappearing so fast, and such little provision being made for their renewal. From the top of Institution Hill, at that time, look whichever way you might, beautiful groves were to be seen, and the new city of Lawrence was hardly visible. Today, from the same point, it is like looking across an almost barren plain, with the city in the background. The woods have nearly disappeared, and few trees, if any, have been planted to take their places. The brooks I remember, where a string of trout could be caught, are nearly dry, and contain water only a few weeks in the spring or during heavy fall rains; the rest of the year they are dry or nearly so. At that time peaches and plums grew well in any garden where they were planted; today scarcely a peach or plum can be found growing in the town. A great portion of the land where these woods have been cut is of the poorest soil. After burning the little sod there was on it and growing a few crops of rye (I believe that was the usual way), they left the land nearly worthless, what little soil there was, being stripped of its covering of leaves and mats of small roots, was exposed to the action of the weather and was washed away by every rain until

nothing but gravel or loose stones remained. This is only one illustration.

A PATRIOTIC DUTY AND BUSINESS INVESTMENT

What is going on in this town is going on in almost every town in the State; and, if this subject of tree planting is not taken in hand, either by the Government or private parties, we shall soon have a treeless State in Massachusetts. We have thousands of acres of land that are unfit for cultivation—ten acres would hardly keep a sheep—yet this same land has been covered with good growths of timber and wood, and could be again covered if every owner of land would take hold and plant if only a few acres every year. There is no better investment he could leave his children than to plant his barren lands with trees, besides benefitting the State and country in which he lives. A great many will say: It does not pay; a tree grows so slowly, I could not reap any benefit from it during a life-time. Let us look at it in a business way and see. Mr. Avery Slade of Somerset has investigated this matter somewhat, and here are a few of the results. Mr. Zebulon Pratt of Bridgewater purchased twenty-five acres of wornout land in North Middleboro, at \$9.00 per acre, and set it to white pine in the spring of 1863, at an expense of \$6.00 per acre. Two years after he paid a man \$47.00 to fill the vacancies where some had died, making the cost \$197.00 exclusive of the cost of the land. The plants were from six to eighteen inches in height and were planted ten feet each way. In December, 1883, twenty years afterwards the trees were from twelve to sixteen inches in diameter and in thrifty condition. The lot is now taxed for \$800.00, which is based on two-thirds valuation; and, as towns favor experiments of this kind, it is fair to presume that the assessed valuation is not too high, and that the cash value of the lot is not far from \$1200.

Land.	\$225.00	
Setting trees.	197.00	\$1200.00
Taxes 20 years.	120.00	542.00
Total cost,		\$542.00
Profit,		\$658.00

Savings banks would have given him about \$450.00, with risk of losing it all the time.

J. D. G. Williams of Raynham set a piece of land to pine in 1850. The land was \$10.00 per acre, cost of setting out, \$5.00. After twenty-five years' growth the standing wood was sold to Mr. Thayer of Taunton for \$150.00 per acre, leaving the land in better order to set out again than when he bought it.

Land per acre.	\$10.00
Trees " "	5.00
Taxes " "	5.00
\$20.00	

Sold wood for \$150.00 per acre and had land left. A Mr. Williams of Bristol County set a piece of land to pine in 1841, the land costing \$6.00 per acre. The trees were set in rows varying from six to nine feet and four to six feet apart. The lot was examined by an experienced lumberman in 1876, with a view to purchas-

ing, and his estimate of the wood was seventy-five cords to the acre. More than two-thirds of this is suitable for box boards, and is worth at the mill, three miles distant, \$6.00 per cord.

Land per acre.....	\$6.00
Setting trees .....	7.00
Taxes .....	11.00
Total cost per acre.....	\$24.00
50 cords at \$6.00.....	300.00
25 cords wood at \$2.00.....	50.00
Yield per acre.....	\$350.00

The late Richard Simpson set a piece to pine thirty-one years ago on land too poor to cultivate. The wood now is estimated to be worth \$150.00 per acre, at least.

The groves of which we have spoken have had no treatment to hasten their growth or improve the quality of the lumber, and, with the exception of the removing of one or two dead trees, it might be said that they have taken care of themselves. Had these plantations been pruned, so that the whole growth of the branches had been thrown into the trunks, they would have been worth at least fifteen per cent. more.

*Jackson Dawson*

Arnold Arboretum,  
Boston, Mass.

## The Propagation of Phloxes

Many kinds now in cultivation are not satisfactory. The individual flowers may be large, but there is not a full symmetrical head. This is very important. We want the crown to appear like one great beautiful bloom. Again we want a plant that will propagate readily, one that will stool out and understand and practice multiplication. For instance Karoline von Sossburg is one of our most beautiful plants with its flowers of porcelain whiteness, but it lacks a well rounded head, and you can raise it a year or two with no increase. This is not profitable to the average grower who does not have a greenhouse for propagation. Some, indeed, plant cuttings out of doors but they are uncertain.

Then again, you want healthy plants. At least one-half of those we import are worthless. If it is very wet they blight terribly, and if it is very hot and dry they cannot endure it; so it is hard to find the ideal phlox. I have been at work for years endeavoring to originate new sorts from the best strains. I found *Crepuscule* to be a remarkable flower. The individual blooms are often larger than a silver dollar. The color is variable. The name, I believe, is twilight or fading light. It has the most glorious symmetrical crown of any I have ever seen. It is a continuous and a late bloomer, November sometimes finding it in its glory. The large and beau-

tiful florets match together so well that a single stem in a vase is a bouquet of itself of marvelous loveliness. It has one defect; it is a slow multiplier, but I find I can increase it fairly well from the roots. When planted near others it is marvelous how it will impress itself. You sow the seeds in the fall, and the next summer you are in a garden of delight, filled with surprises of beauty.

Associated with this, I have, from the seeds of the *Coquelicot*, which is a feeble plant with small flowers, increased the size one-half with a plant of twice the vigor of the parent. *Crepuscule* is quite variable in color. In our hot climate it endures the heat the best of any, and the flowers are nearly white with a crimson star in the center, while in Colorado at Boulder at Mr. Andrews' place I was shown some of that name with much darker flowers with no whiteness about them. I told Mr. Andrews I was sure he did not have the right kind. But this fall after the frosts I notice that mine have changed color materially. The normal color is white, shaded violet, and the shading is deeper in a cooler climate or in the autumn.

Notwithstanding the one defect of a slow propagator, I have secured some splendid crosses. One I call *Arete*, taking the names from the classic dictionary. This is the ideal flower. The blossoms are larger and much the color of the parent. It is about half-way between *Richard Wallace* and *Crepuscule*. It endures both floods and drouths without wincing. It stools vigorously and the head is full of seed. In fact it seems to be interested in the business all over and ready to help along all the lines. Phloxes never or seldom reproduce themselves from seed, but with seed from the finest you stand a chance for improvement. Another cross I named *Venus*, now changed to *Aleyoni* (daughter of *Atlas*), because there was another phlox of the same name. I have seen a great many of various kinds and colors but have never seen anything to compare with this. Single florets are much larger than a dollar. The general form is much like *Crepuscule*, only the blooms are of snowy white with five crimson stars artistically placed in the center. Though of vigorous habit, unfortunately this is a very slow propagator. It takes about two years to come to its best. However, it is now of such vigor I think I can reproduce it from the root cuttings so in a few years I can have some to spare.

We have quite a number of new ones of other colors on the way of which we have great hopes. But they must first be tested year by year before we can give them to the public. Too many untested new things have been put on the market. In this trying climate of floods and drought with hot winds and 110 in the shade, if we get anything to meet the condition we can depend on it anywhere.

*C. S. Hammon*

York, Neb.

# HORTICULTURE

VOL. VIII

OCTOBER 24, 1908

NO. 17

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass. under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Rhododendron Plantation.	
ROCKY MOUNTAIN RAMBLES L. H. Pammel Illustrated .....	537
TREE TALKS Jackson Dawson.....	538
PROPAGATION OF PHLOXES—C. S. Harrison.....	539
SOME LESSONS FROM A BOSTON "FLOWER FACTORY" .....	541
NEWS OF THE CLUBS AND SOCIETIES:	
Gardeners' and Florists' Club of Boston—Nassau County Horticultural Society—Morris County Gardeners' and Florists' Society—Mt. Desert Horticultural Society—Pennsylvania Horticultural Society.	542
Society of American Florists—Ladies' Society of American Florists—Southampton Horticultural Society—Chrysanthemum Society of America—American Carnation Society—Club and Society Notes—Coming Events .....	543
HARDY CLEMATISES AND OTHER USEFUL VINES AND SHRUBS—Antoine Wintzer.....	544
OBITUARY—Gustav Hanson—John A. Balkwil—Henry Glines George A. Saunders—F. O. Frederickson—T. H. Geraghty.....	546
SEED TRADE .....	548
OF INTEREST TO RETAIL FLORISTS:	
Economy in Window Dressing—Steamer Departures .....	550
New Retail Flower Stores.....	551
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Indianapolis, Louisville, Philadelphia, Washington .....	553
New York .....	555
MISCELLANEOUS:	
A Fern Grower.....	541
Personal .....	541
Poehlmann Bros.' Establishment—Illustrated.....	544
Incorporated .....	545
Chrysanthemum Gloria—Illustrated.....	545
A Presentation .....	545
Chicago Plant Trade.....	545
Plant Imports .....	546
Pittsburgh Exhibition .....	547
News Notes .....	551
Business Changes .....	551
Philadelphia Notes .....	553
Catalogues Received .....	560
Greenhouses Building or Contemplated.....	562
Patents Granted .....	562

The business situation

It is gratifying to those in the less favored localities to learn of the very satisfactory conditions prevailing in many cut flower and plant centres where, as reports indicate, fall business has started up in good shape and supply and demand are nicely balanced. The knowledge that this prosperity exists elsewhere helps to inspire confidence in those markets where the summer stagnation has not yet lifted that their time will soon follow along and that before long the activity which is now so unevenly distributed will become universal and

the flower trade extricated from the predicament into which it has been forced by the untoward circumstances which it has had to contend with. One cause of the embargo from which New York (and in some degree Philadelphia) has been suffering is the remarkably salubrious weather all through October which has kept flower buyers in the country and left the hotels half empty. A good attack of disagreeable weather is needed to drive people back to city life and its flower-absorbing activities. This accomplished and election perplexities past, there is every reason to expect a genuine revival all along the line.

Looking  
to better  
business ethics

Our recent brief notes illustrating the need of greater caution in the matter of credit giving seem to have stirred up a spiteful hornet's nest in the office of our New York contemporary. There is nothing in the remarks in question other than a desire to facilitate the exposure of the swindler under whatever guise he may operate and, by timely warning, to reduce to a minimum his opportunities for fraud. We believe this to be the proper policy for a dealer, publisher or other business man to pursue when he sees his neighbor being made a fellow-victim with himself of an impostor, and a grateful co-operation in thwarting the rascal would seem to be the right course in return, and not the slinging of mud. None of us are so profoundly discerning that we can claim immunity from imposition and the primitive propensity to stand aloof and chuckle with delight over the buncoing of a business competitor, when it is in our power to prevent it, finds little favor in these enlightened days other than among the constitutionally narrow-minded. We applaud the New York wholesalers for their action in establishing and adhering to a common standard in the collection of accounts and assuming of risks in connection therewith, and, as before stated, we hope to see something of the same co-operative spirit displayed in other departments of our business, for the common good.

Pertinent reading  
contributions  
welcomed

We receive occasional communications from our readers urging that we devote a larger proportion of our reading space to topics connected with this or that department in which they are particularly interested. We are glad to receive these suggestions and would be grateful if many more were sent in. It is our especial desire to provide for our readers the sort of material that they will peruse with interest and benefit and to so diversify it that each of the many interests will find in every issue a liberal serving of that which most directly concerns them in their respective departments. In some lines, we think it will be generally acknowledged that we have been notably successful. In others, no one recognizes the deficiency more than we do. The fault in this respect is not entirely ours and the remedy lies with our readers among whom are unquestionably numbered the most intelligent and refined exponents of every branch of horticultural industry, who can easily accomplish the desired end by contributing liberally to those departments which lack and in such manner as to incite others to do likewise. We know that, in our big family of readers there are many well-versed and capable men and women who have thus far never written a line for publication who, if they could only be induced to begin, would quickly be accorded a distinction as writers, excelled by none. Send along the goods and HORTICULTURE will do its part in placing them where they will be appreciated.



### SOME LESSONS FROM A BOSTON "FLOWER FACTORY."

A visit to Pierce Bros. big greenhouse range at Waverley is at all times a pleasure and profit, for at least three reasons: first, the great quantity of flowers grown; second, the many mechanical adaptations in use for facilitating the various operations; and third, the cheerful frankness with which either one of the two brothers will show and explain any process or improvement which contains anything of interest or value to a fellow florist.

#### Mechanical Appliances.

The heating system in this mammoth establishment is one of the most complete in the country. It is finely equipped for forced draft and vacuum system with a tier of massive boilers and machinery of the highest efficiency. An ingenious system for interchangeable use in syringing with clear water or manure water is in operation. Through the entire length of the central shed there are laid parallel pipes, a 4 in. for water and 3 in. for manure water, each with branches right and left to the door of each greenhouse, where they unite into one pipe which runs over head to the farthest end of each house, with hose connections at regular intervals. The turning of a simple valve alongside each door stops the flow of clear water and admits the manure water, which is also under high pressure, to such house or houses as desired, or vice versa, at will, without disturbing operations in any other house. Attaching the hose overhead saves wear and tear dragging it over the ground and it is more easily handled. A series of artesian wells, all under glass roof, are soon to be opened, with a tank capacity of 150,000 gallons and 125 pounds pressure.

#### Home-Made Cement Benches.

In all the houses except one cement or tile benches have now replaced those of wood, the construction being home-made throughout. No wood is used other than temporarily to sustain the cement while it is drying. The only supports are cement posts built around 3-4 in. pipe uprights. The cement bottom is made by spreading the cement over ordinary chicken wire mesh which is also turned up at the edge to hold the cement sides. For drainage perforations the method is to wait until the cement has partially hardened and then punch holes at intervals with a piece of 3-4 in. pipe, a much simpler procedure than the customary plan of inserting wooden plugs to be driven out after the cement has become hard.

#### A Unique Propagating House.

The propagating house, which is a very large 16 ft. wide house on the north side of a chrysanthemum house is also worth describing. Instead of one continuous bench, it is arranged with a series of benches running crosswise of the house, 5 x 11 ft. with a separate coil of pipe under each, so that heat can be given or withheld independently in each as required. A side path runs the length of the house and the short paths branching off between the beds give easy access to every part for the workmen. These beds are all with tile bottom and cement sides and can accommodate from 8 to 10,000 cuttings each. The lower half

of the roof is of single long lights of ribbed glass thus furnishing continual shade and eliminating all drip.

#### Some Interesting Items.

One new house has been added to the range this season, size 21 x 225, the glass being laid with the 24 in. length crosswise giving some advantage in light and considerable economy of construction. An auto-truck is among the modern accessories. Its record for the ten days preceding last Easter was 1000 miles travelled and 7000 pots of lilies delivered in Boston. Lilies have always been a big crop here but it is proposed to make them a regular standard crop the year through and to this end a large cold storage house for the bulbs is to be built soon.

#### What Are Grown.

Now a few words in conclusion as to the contents of the houses at present. Four houses, each 40x300, are in chrysanthemums. With rare good judgment a big planting of Golden Glow was made and with the market all to themselves Peirce Bros. made a hit that certainly caused a stir. It is worth noting that this chrysanthemum is giving evidence of being a "cut and come again" variety, for numerous long branches with fine foliage and buds have started out from where the first flowers were cut. Halliday, Crocus, Polly Rose, Virginia Poehlmann, Bonnafion and Pacific Supreme are among the best liked early and mid-season sellers. Pacific Supreme is a pink sport from Glory of Pacific and will supersede it. October Frost is regarded as inferior to Polly Rose, and Matchless will not be planted again because of its long bare neck. Of carnations, 75,000 are grown, comprising most of the popular market varieties. The plants were very small when planted out on account of dry weather, but are now catching up rapidly. Most satisfactory of the new ones is Snowflake, a superb, free-blooming variety, raised by C. W. Ward.

Thirty thousand freesias, 5,000 cyclamens for this year and 10,000 for next, 5,000 azaleas, and lilies uncountable, are among the stock in sight at the present time. Such is the story, very briefly told, of what is going on at one of Boston's "flower factories."

#### A FERN GROWER.

Thomas Christensen who has one of the most up-to-date ranges of iron frame houses devoted to fern culture is expecting a shipment of interesting novelties in quantity from England. Among these will be *Cryptomeria Mayii* and *Pteris tricolor*, the latter not exactly new as it was in the stock of the old Pitcher & Manda establishment, but has been practically out of the market since then. *Nephrolepis Whitmanii* as grown by Mr. Christensen is at its very best. He suspends it in hanging pots close up to the glass and keeps it growing rapidly with the result that a fine green color is secured and the keeping qualities are much better than when it is grown in heavy shade as is done by some growers.

Henry Durenberg of Idlewild Greenhouses, Memphis, Tenn., is in Chicago with his bride.

#### PERSONAL.

Chicago visitor: Max Eller of People's Floral Co., Kansas City, Mo.

Alexander McKay of South Framingham, Mass., is suffering from a light attack of nervous prostration.

Boston visitor: Ernest H. Chamberlain, New Bedford, Mass.; Eugene Schaettel, representing Vilmorin, Paris.

Thomas L. Greeley of Belmont has been appointed by Governor Guild as trustee of Massachusetts Agricultural College for the term to end at the beginning of 1911. Mr. Greeley is a member of the Boston Fruit & Produce Exchange and of the Market Gardeners' Association and is eminently fitted for the position.

We are sorry to have to announce a relapse in the case of ex-President John Scott of the New York Florists' Club, who was convalescing nicely from a serious attack of typhoid pneumonia, but, with over-confidence in his returning strength, exposed himself too soon. We hope he will soon be on the way to recovery again.

Visitors in New York: Geo. W. Burke, superintendent park department, Pittsburgh, Pa., also a large and distinguished delegation of gardeners from Mount Kisco and elsewhere. William Jurgens, Jr., Newport, R. I., J. F. Sullivan, Detroit, Mich., S. S. Skidelsky, Phila., Pa., Mr. Payne, of Jacksonville Floral Co., Jacksonville, Fla.; Mr. Chadbourn of Shaeffer Floral Co., Newburgh.

We had the pleasure of a look at the splendid Carnegie gold medal awarded to Mrs. C. Albert Small by the U. S. Government in recognition of her heroism in saving the lives of two drowning women at Seagate, N. Y., on September 18, 1907. Mrs. Small had two ribs fractured in her efforts and is now in the hospital recovering from an operation necessitated as a result of her injuries.

A pretty home wedding took place Monday evening, Oct. 12th, at the residence of Mr. John T. Withers, the well-known landscape gardener, Jersey City, N. J., when Miss Bertha de Grieff became the bride of Mr. M. Vanderhave. Miss de Grieff arrived Monday morning on the steamship Rotterdam from Apeldoorn, Holland, and the ceremony was solemnized in her native tongue by the Rev. Dr. Fogg of New York City. Mr. Vanderhave is a graduate of the Botanical School of Holland, and has spent several years in the East Indies, Belgium, Germany, etc., before coming to America. He is at present superintendent of Shatenuc Nurseries, Barrytown, N. Y. Everybody was made happy with an elaborate supper, after which Mr. and Mrs. Vanderhave left for New York. Among the out-of-town guests present, in the trade, were Mr. and Mrs. L. H. Wise, of Boston, Mass.

# NEWS OF THE CLUBS AND SOCIETIES.

## GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The special attraction at the October meeting of this club was the reading of a very practical paper by Vice-President Wm. Downs on the subject of putting growing under glass. This paper will appear in next issue. The audience was large and appreciative, and the address was followed by some discussion on fumigating and other points touched upon.

The communication from the Chrysanthemum Society of America in regard to affiliation was debated at length, W. N. Craig, James Wheeler and others speaking in favor and Fred. Palmer in opposition, and it was finally laid on the table on motion of T. J. Grey.

Peter Miller was on recommendation of the executive committee elected to the position of assistant treasurer.

There was an unusually fine display of chrysanthemums on the exhibition tables. Following is a list of the exhibits and the awards, as reported by the judges:

Rose White Killarney: Waban Rose Conservatories. Report of superior merit.

Carnation Georgia: J. D. Cockcroft. Honorable mention.

Seedling chrysanthemum, creamy white; S. J. Reuter & Son. Honorable mention.

Dwarf-grown chrysanthemum plants; Wm. Downs. Honorable mention for culture.

Collection of early flowering English chrysanthemums: Horace Martin, Ralph Curtis, Mme. Marie Massee, Crimson Marie Massee, Goacher's Crimson, Mme. Cassimir Fierce; W. N. Craig. Report of merit.

The following exhibits received votes of thanks: Cosmos Lady Lenox from George Pare and Duncan Finlayson. Celeriac, F. E. Palmer. Violet Baronne Rothschild, F. W. Fletcher. Yellow sport from chrysanthemum Mme. Clementine Tousset, F. C. Becker & Son. Nephrolepis Whitmani, J. E. Chase.

## NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual dahlia show of this society was held on Wednesday evening, October 14, in connection with the regular meeting. There was a fine display of dahlias and other autumn flowers. James Duthrie, gardener to E. M. Townsend, carried off first for collection, showing about fifty varieties; first for 12 Cactus, 12 doubles, 6 distinct, and the largest bloom shown. George Wilson, gardener to Mrs. Benjamin Stern, was second in collection and the Cactus classes; J. O'Brien, gardener to E. H. Sayers, was first in collection of singles.

At the close of the show President Jaenicke took the chair and presented the silver medals won at the summer show to George Wilson for roses, Charles Knight and Valentine Cleres for sweet peas. Mr. Lenker then introduced Mr. Dean, who gave an interesting and much appreciated talk on floriculture, and at the close offered a

silver cup to be competed for at next year's dahlia show. Mr. Mense spoke entertainingly of what he had seen in his recent western trip. The awards for points in the monthly competition were as follows: H. F. Meyer, pears, 89; George Wilson, chrysanthemums, 86; V. Cleres, dahlias, 79. Cultural certificates were awarded to V. Cleres for cosmos and dahlias; Paul Reul, cosmos; Alex. Lothman, indoor roses; F. Pettoecia, cauliflower. Honorable mention to P. Reul for lily of the valley and vegetables; F. Pettoecia, violets and chrysanthemums; Oscar Adendor, cosmos; H. F. Meyer, lettuce; After making final arrangements for the show next month the meeting adjourned.

JAMES KESSON, Secretary.

## MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

The October meeting of this society was well attended, and the monthly exhibition was a special feature. Floram Farms, A. Herrington, Supt., had a fine display of cosmos Lady Lenox which fully maintained all that has been claimed for it, showing decided superiority to other strains. A vase of 100 blooms of carnation Afterglow from same place got a cultural certificate. Dr. Leslie D. Ward, gardener A. R. Kennedy, had a superb vase of rose Mrs. Jardine, awarded cultural certificate. Whatever this rose does in other places, it seems to be at home with Mr. Kennedy. A. R. Whitney, gardener H. B. Vyse, had a great vase of Enchantress which received honorable mention. C. H. Totty showed his new chrysanthemums in eight varieties, Lilian Coppard, bright red, a yellow sport from A. J. Miller, Pockett's Crimson, Mrs. O. H. Katan, a beautiful bronze, C. H. Totty, a giant crimson, Mary Warrick, flesh pink. These each received a certificate of merit. This was a superb half dozen; they have to be seen to be fully appreciated. Two vases of single, Rob Roy and Marvel, received honorable mention.

Preliminary arrangements were made for the show, a committee appointed, etc. Every member is to work for its success. 500 tickets were distributed among the members to sell. I mention this to show that in "unity there is strength," and if every one works we must make the exhibition a success. We expect to have a good show. All we want is for exhibitors to bring the stuff; we will furnish the prizes and the people to look at them.

E. REAGAN.

## BUFFALO FLORISTS' CLUB.

The regular monthly meeting of the Buffalo Florists' Club will be held on Thursday, October 29, instead of the regular meeting night, which falls on election eve. The committee in charge of the flower show and banquet are working hard to make it a grand success, as every effort will be made to get all the late varieties of carnations, chrysanthemums, roses, etc. The date is set for November 18 and to be held at Iroquois Hotel. Other business of importance will be discussed at this meeting.

## MT. DESERT HORTICULTURAL SOCIETY.

The Flower Show held last August at the Building of Arts was such a success from many points of view, and so much real enthusiasm and energy was shown, that it is not surprising that it resulted in the organization of a society to promote the general welfare of floriculture and horticulture.

This Society received its first impetus from Mr. George B. Dorr, who is the owner of the Mt. Desert Nurseries, and has spent much money and time in beautifying the town by various small parks and also by laying out paths over the mountains.

The membership of the Society includes many of the millionaires as well as all the prominent gardeners about here, and every condition seems favorable to the advancement of the Society.

Mr. Dorr has given the Society the use of his flower store on Main street for eight months, and is having the place fitted with a hot water heating apparatus. This will be used as a club room where all the current literature concerning horticulture will be found as well as a good library on the subject.

This is the first society of its kind in the state and there is little doubt that in a few years its growth will have made remarkable strides. During the winter months there will be smoke talks and lectures. The regular meetings are held the first Tuesday of each month.

The Society is incorporated under the laws of the State of Maine, and following is the list of officers: Pres., G. B. Dorr; 1st Vice-Pres., L. B. McKag; 2nd Vice-Pres., William Miller; 3rd Vice-Pres., William Burton; Financial Sec., T. Harrison Styles; Treas., Edward Kirk; Clerk, Charles Shand; Sergt-at-Arms, George Renwick; Board of Trustees, John I. Kane, C. Morton Smith, Geo. S. Robbins, A. W. Ekstrom, A. E. Chilman, Clarence E. Dow.

R. H. KINGSLEY.

## PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held on the 20th inst. Some fine chrysanthemums were exhibited by Wm. Kleinheinz, one of them being the new variety, 58-2, which the introducers, Elmer D. Smith & Co., are to send out next year and which was awarded a certificate of merit—pure white globular flower, very compact, good foliage. Another fine variety was Miss Clay Frick, which took first for six blooms of early flowering variety. A first prize went to James Coleman, gardener Walter Lippincott, for cosmos Lady Lenox. The prize for celery went to the Crosswicks Farms, Jenkintown, and reflected credit on Walter Scott, the grower. Alphonse Pericat was awarded a silver medal for a grand display of *Cattleya labiata*—among which were some flowers of remarkable size and form—one spike bearing seven flowers. C. G. Roebing, gardener Jas. Goodier, was awarded a silver medal for *Cattleya Kinkora*, and certificate of merit for *Cattleya*

"magenta," a light crim-on fringed with lighter edge. Special mention was accorded to another seedling, very light pink. Peacock Dahlia Farms were awarded certificate of merit for dahlia "Jack Rose." The committee recommended very highly the new plant stand exhibited by the Moore-Livingston Co. of Lonsdowne, stating that this device filled a long-felt want as it can be adjusted to any desired height. Prof. Stewardson Brown gave an account of a recent trip, entitled "Ten Weeks in the Wilds of British Columbia." The annual fall show will take place Nov. 10 to 15, and entries are coming in very satisfactorily, according to Secretary Rust.

#### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

##### National Flower Show.

President Traendly has decided that the S. A. F. gold medal shall not be awarded for any specific exhibit, but it will be left to the judges to award it to any exhibit, provided there is such an exhibit in the show which may be deemed worthy of so high an award. It was provided by the executive board of the S. A. F. also, that the award of this gold medal should not be complete until the action of the committee had been specifically ratified by the executive committee of the Flower Show.

A mistake was made in the final edition of the premium list in giving the judges nominated by the American Carnation Society. Instead of the names given in the premium list, the nominees are: Wm. Nicholson, Framingham, Mass., Fred Burki, Pittsburgh, Pa., and Peter Fisher, Ellis, Mass.

Mr. Nicholson, who was also one of the four nominees presented by the Chrysanthemum Society, will probably be withdrawn as a judge of Division A. J. H. BURDETT, Ass't Sec'y.

Elaborate plans have been made for the decoration of the Coliseum for the National flower show. Jens Jensen, superintendent of the West parks; John Olgotz, superintendent of Chicago's small parks; and several other experts are at work on the plans.

#### LADIES' SOCIETY OF AMERICAN FLORISTS.

The Ladies' Society of American Florists have accepted the invitation to the banquet Tuesday eve, Nov. 10th, Auditorium Annex. On Wednesday, Nov. 11th, the Society will give a theatre party for its members, who will please wear their badge pins. Members of the Ladies' S. A. F. will please report to the Chairman of Entertainment Committee, Mrs. J. C. Vaughan, or the Secretary, Mrs. C. H. Maynard, Tuesday morning, Nov. 10th, at Exhibition Hall.

MRS. W. J. VESEY, President.

#### SOUTHAMPTON HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held Oct. 15, President Clark in the chair. Wm. Gray, gardener to Judge Russell, showed a very fine vase of Browallia. There was a discussion as to the proper size to show beets for table use. B. C. Palmer,

gardener to B. A. Sands, gave a very interesting talk on "What I Don't Know About Dahlias." At the next regular meeting, Nov. 6, W. L. Jagger will read a paper, subject, "Corn Varieties and Management."

#### CHRYSANTHEMUM SOCIETY OF AMERICA.

##### Report on New Chrysanthemums.

Sport of Gloria Pacific; Jap. reflexed. Color pink. Exhibited by Samuel Cockburn & Sons, Woodlawn, N. Y., on Oct. 17, 1908, at Cincinnati. Scaled 77 points; at Philadelphia scaled 72 points.

Dark Sport Gloria Pacific; Jap. Color dark mauve. Exhibited by Samuel Cockburn & Sons, Woodlawn, N. Y., at New York, Oct. 13, 1908. Scaled 79 points.

Gloria. Color Daybreak pink. Exhibited at Cincinnati, Oct. 17, 1908, by Elmer D. Smith, Adrian, Mich. Scaled 85 points.

No. 58-2-06; Jap. incurved. Color white. Exhibited at Philadelphia Oct. 17, 1908, by Elmer D. Smith, Adrian, Mich. Scaled 86 points commercial, 86 exhibition.

• DAVID FRASER, Secretary.

#### AMERICAN CARNATION SOCIETY.

##### Carnation Registered.

By Scheiden & Schoos, South Evanston, Ill. William H. Taft, color bright, red, resembling Crusader; a seedling of Crusader and Enchantress, size of flower three to four inches; a high built and the most double flower ever seen, with a long graceful stem; a free bloomer with very few splits; keeping qualities remarkable, has been kept cut three weeks in good condition.

ALBERT M. HERR.

Lancaster, Pa.

#### CLUB AND SOCIETY NOTES.

The Elmira Civic Improvement League and Horticultural Society, Elmira, N. Y., offer a silver cup and other prizes at the chrysanthemum show to be held Nov. 5-7. H. N. Hoffman is chairman of the committee.

The Tri-City Florist Club met with Ludwig Statt of Rock Island, Iowa, on Oct. 8. The theme for the evening's discussion was poinsettias, azaleas and geraniums for Christmas culture. The next meeting will be with Emil Boehm.

The Omaha Florists' Club, Omaha, Nebr., have elected the following officers: President, L. Henderson; vice-president, G. Swoboda; secretary, J. H. Hadkinson; treasurer, George Sorenson. They are planning for a large flower show for the winter of 1909.

The annual meeting of the Vermont State Horticultural Society will be held in Montpelier on Nov. 4, 5, 6. Among the speakers outside of the state will be I. H. Hale of South Glastonbury, Ct., H. W. Collingwood of New York and U. P. Henderson of Geneva, N. Y.

The idea of abolishing the green-houses at John Bell park as a matter of economy has been suggested by C. B. Blair, president of the board of park and cemetery commissioners, Grand Rapids, Mich., but is not generally favored by the other members of the board.

#### COMING EVENTS.

Secretaries are invited to send us dates of exhibitions at other clubs and society conventions for mention in this column.

Lenox, Mass., Horticultural Society, chrysanthemum show, Oct. 28, 29.

Madison, N. J., Morris County Gardeners' and Florists' Society, exhibition, Oct. 29, 30.

St. Louis, Mo., St. Louis Horticultural Society, November 3-6.

Hartford, Conn., Connecticut Horticultural Society, chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Shreveport, La., State Fair, November 3, 4, 5.

Worcester, Mass., Worcester County Horticultural Society, annual meeting, Nov. 4; chrysanthemum show, Nov. 12.

Red Bank, N. J., Monmouth Horticultural Society and Elberon Horticultural Society, joint chrysanthemum show, November 4, 5.

Tarrytown, N. Y., Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y., Nassau County Horticultural Society, show, Nov. 5, 6.

Elmira, N. Y., Civic Improvement League and Horticultural Society, chrysanthemum show, Nov. 5, 6, 7, Women's Federation Building.

Chicago, Ill., National Flower Show, Society of American Florists, Nov. 6-14.

Boston, Mass., Massachusetts Horticultural Society, Chrysanthemum show, Nov. 6, 7, 8, 9.

New Haven, Conn., New Haven County Horticultural Society, show, Nov. 10, 11, 12.

Philadelphia, Pa., Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont., Ontario Horticultural Society, exhibition, Nov. 10-14.

Little Rock, Ark., State Floral Society, show, Nov. 10-25.

Lake Geneva, Wis., Gardeners' and Foremen's Association, chrysanthemum exhibition, Nov. 11, 12.

Providence, R. I., R. I. Horticultural Society, Nov. 11, 12, fall exhibition.

New York, N. Y., American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building.

Denison, Texas, Denison Civic Improvement League, show, Nov. 11, 12, 13.

New Orleans, La., N. O. Horticultural Society, chrysanthemum and flower show, Nov. 12, 13, 14, 15.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

Pittsburg, Pa., the National Municipal League and the American Civic Association, annual meeting, Nov. 17-20.

New York, N. Y., Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

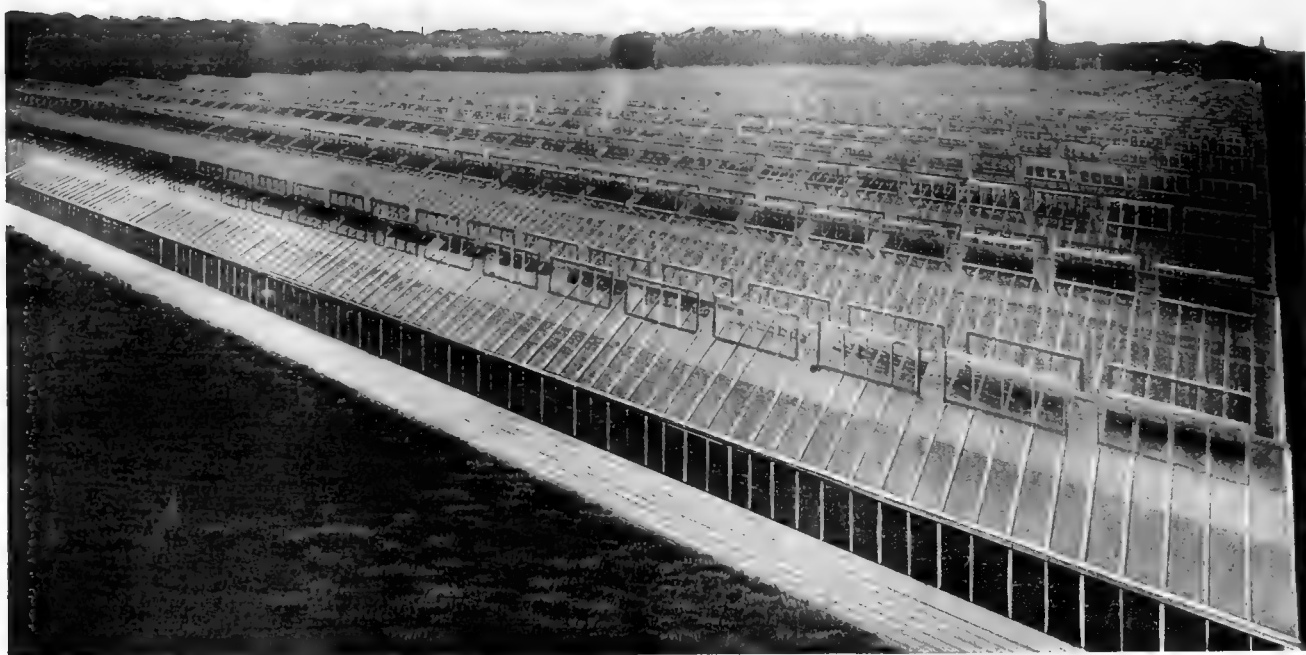
Baltimore, Md., Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

Spokane, Wash., National Apple Show Association, Dec. 7-12.

Indianapolis, Ind., American Carnation Society, Jan. 27, 28, 1909.

## THE POEHLMANN BROS.' ESTABLISHMENT,

Which every visitor at the National Flower Show will want to see.

HARDY CLEMATISES AND OTHER  
USEFUL VINES AND SHRUBS.

A paper read before the New York Florists' Club, by Antoine Wintzer.

As all plantsmen know the Hardy Clematis family forms a group of most desirable hardy climbers. They are suitable to plant in almost any place where the fancy of the gardener or grower desires to have them, so I will not enlarge on that topic as full details can be found in Bailey's Encyclopedia, also the leading catalogs of America and Europe.

Glancing, mentally, over the field it has often occurred to me that the Clematis family would prove a fascinating pastime for the plant breeder of ample means and leisure, and we sincerely hope that some of our noted breeders may soon be inspired to take up the work, if it has not been taken in hand.

Probably it is not generally known that over 40 years ago several thousand fine young clematis seedlings of the lanuginosa and azurea grandiflora strain were raised by that enterprising and talented plantsman, the late Eugene Beauma, at Morrisiana, New York, in 1864. Nearly all the seedlings produced very fine large flowers, some of them fully as good as the named varieties we have at the present time. The seed was sown as soon as matured in shallow wooden boxes; the young seedlings were then planted in the field the following spring, and left out over winter, the next spring they would bloom freely. One strong point in favor of those

seedlings was, that nearly all produced large flowers adhering pretty close to the type, and they were of unusually healthy and vigorous growth. It is my firm belief that had the good work been continued, a remarkable strain could have been produced.

While we seem to have done little toward improving the family, the European breeders are doing grand work along this line. In glancing over their catalogs one can find from 50 to 75 or more varieties and types listed. Nearly all our leading firms are satisfied with from five to ten varieties. They have evidently learned from experience that very few of the large flowering varieties are adapted to our climate. If this is the case we should strive our utmost to breed as good or better varieties suitable for our climate. Perhaps someone is doing the good work in silence.

The following are some of the large flowering varieties mostly of lanuginosa, Jackmani, and viticella types, generally cataloged by the leading firms: Jackmani, violet purple; Henryii creamy white; Gypsy Queen, dark purple, velvety; Ramona, deep blue, very fine; Mad. Baron Viellard, shade of lavender pink; Ville de Lyon, carmine red; Star of India, shade of purple; Miss Bateman, silvery white; Lanuginosa Candida, pure white; Belle of Woking, silvery gray; Countess of Lovelace, bluish lilac, double; Jackmani Surperba, deep violet purple.

*Clematis paniculata.*

This beautiful and popular Japanese variety has grown to be a general

favorite; its graceful sprays of fleecy white flowers are always attractive. It is readily increased by seedlings. The seed is usually sown as soon as matured in green house, and the young plants potted singly, and planted in the field in May or June. Other methods are sometimes pursued.

*Clematis Virginiana.*

This native is found growing wild usually in moist places, near the banks of rivers and brooks by the margins of woodlands, also in neglected fence corners. Its sprays of white flowers form a pleasing sight in early autumn. It is easily increased from seed.

*Clematis flammula.*

This European variety was more extensively grown formerly than at the present time. Flowers small white clusters. Its roots are used as stock to graft the large flowered varieties on.

*Erect Varieties, Semi-Shrubby.*

*Clematis Davidiana*, a late flowering variety, small tubular-shaped blue, flowers in August and September. Grown from seed.

*Clematis stans.*

Like the preceding, only flowers are a light porcelain blue and bloom in September and October. Where the season is long enough to ripen the seed it is best grown that way. It is the easiest variety to grow from hard wood cuttings; these should be cut to single eyes and planted in greenhouse bench in January and February. In March or April they will be fairly rooted,

and should then be potted into 3 inch pots, and are then ready to plant in the field in May or June.

They will bloom the first season in October.

Outside of New York state I do not think that the large flowering varieties of clematis are grown to any considerable extent, most of the catalog houses depending on the imported stock, although home grown stock is better, as several of the large New York firms grow the plants from cuttings. These are usually made in May and June from the young wood. The cuttings taken from plants started in greenhouse root more readily than those from outdoor plants.

In taking a glance through a number of catalogs it is noticeable that the Europeans are far ahead of us in the number of varieties and classes listed, some of the leading firms listing as many as fifty to eighty varieties or more, while our American firms are satisfied with from six to twelve. Is it because we are less enterprising?

Not having followed this line of plants continuously, I should like to leave other details to experts in this field. But there is no reason why the same advance which has been made in Roses, Carnations, Gladioli and Canas may not also be made in the Clematis family, and we hope that some of our American hybridizers will take advantage of the opportunity here offered as there is unlimited room for the development of this most useful and ornamental family of climbers.

#### Lonicera (Honeysuckle).

This family of hardy climbers is very popular, few plants emitting a more delightful fragrance than some of the varieties in this class; "As sweet as a honeysuckle" is an old time expression. Some of the newer varieties, notably, Heckrottei and Hendersoni are especially adapted for pot culture, and easily forced. In the open field they produce continuous bloom from June to November. At this writing the young plants in the field are a mass of bloom, and a bouquet of their graceful sprays is always pleasing and is a delightful change at this season.

All the varieties of honeysuckle are of easiest propagation. Heckrottei, Hendersoni, and the varieties generally cataloged as Red and Yellow Coral and all European varieties. I prefer to propagate from hard wood under glass. The cuttings are planted on open benches in a cool greenhouse in January. One eye cuttings are used where the joints are long. In spring they are planted in the field; potting is not necessary during an average season. They grow from two to four feet or more and bloom freely in a few months after they are planted.

All varieties of honeysuckle also root freely from green wood cuttings made during the summer in June and July from the young growing wood, and we grow nearly all varieties in that manner. We plant the cuttings on open benches in greenhouse where they root in a few weeks. After they are rooted we pot them in 3 1-2 to 4 inch pots, from 4 to 6 plants in a pot, and place them in beds outside in September and October, where they remain until planting time the following spring, which should be done as early

as possible, for a few warm April days start them into growth.

Propagators pursue the methods best adapted to their different localities. In the Japan section *Lonicera brachypoda* is becoming a real pest, as it roots freely from every shoot touching the ground; birds are also carrying the seeds, and where it becomes firmly established it is difficult to exterminate. The type cataloged as *Halliana* has generally superseded the above named, as it is more desirable in every respect.

#### Ampelopsis Veitchii.

This useful climber is so well known that it requires no description. It is of easiest propagation. Seeds of it sown in March or April germinate in a few weeks, when they can be potted singly in 2 1-2 inch pots, and if shifted into 4 inch, and staked, will make nice plants by October. The pot grown plants have the advantage over the field stock for decorative foliage. I have noticed that they color up finer under glass, as the grower has them under better control. Varieties of this type, like *Robusta* and *Royalli* and others, require to be propagated from cuttings; these root easily in summer from green wood, but I prefer to make them from hard wood cuttings in winter.

#### Ampelopsis quinquefolia.

Our native American species is useful in cold climates owing to its extreme hardiness. It is easily increased from seed.

#### Akebia quinata.

This graceful Japanese climber seemed to be more common 40 years ago, and deserves more attention than it receives. Besides its fragrant chocolate colored, sweet scented flowers, it is free from all insect pests and diseases. The easiest way to propagate it is from the seed, but it also roots freely from cuttings from the young wood in June and July. It will also root from the matured wood in fall, but requires a longer time.

#### Celastrus scandens (Bitter Sweet).

It has always been a surprise to me that this beautiful native climber is not more popular. It has fine glossy foliage and in autumn its orange seed pods are charming. It is grown from seed. There are great variations, and to perpetuate the best fruiting strains they should be root grafted. There is plenty of room to work up this breed, and show them pot grown for the Thanksgiving and Christmas trade.

It seems to me that there is always room for fine berried plants, and few plants are more attractive than this when full of its charming seed berries.

I intended to continue this paper but find it is getting too bulky, and fear it may tax the patience and trespass too much on the time of the audience.

#### INCORPORATED.

The Wm. Graham Floral Co., Philadelphia; capital, \$60,000; John H. Galen, president.

The Columbia Planter Co., Springfield, O.; C. E. Patric, J. T. Guffy, H. C. Wiseman, J. J. Veasie, J. L. Zimmerman; capital, \$30,000.

L. D. Batchelor of Upton, Mass., has taken a position as instructor in greenhouse construction at Cornell University, Ithaca, N. Y.

#### CHRYSANTHEMUM GLORIA.



Color. Enchantress pink. Elmer D. Smith & Co. were awarded C. S. A. certificate for this novelty at New York, October 10.

#### A PRESENTATION.

A number of the gardeners in the vicinity of Auburndale, Mass., along with a few of the Boston seedsmen surprised Frank H. Allison, head gardener to Mrs. B. L. Young, Weston, Mass., at his new home on Friday evening, Oct. 16, by presenting him with a beautiful solid mahogany bookcase. Peter M. Miller made the presentation, and Mr. Allison responded in his usual modest manner. Messrs. T. J. Gray, Al. Coutts and P. Crotty made a few timely humorous remarks. Dancing was kept up until a late hour, refreshments being served at intervals. The following gentlemen contributed to the evening's entertainment: William Westland, William Wylie, Thomas Beattie, John P. A. Guerinneau and Al. Merrill.

#### CHICAGO PLANT TRADE.

There is a little better variety in blooming plants this week in the Chicago market. Cyclamen, Chinese primrose and *Primula obconica*, though not showing a great abundance of color, are coming in.

A limited quantity of bush chrysanthemums are also offered in the following varieties: *Glory of the Pacific*, and its white sport *Estelle*; early Summer, October Sunshine, Murdock, yellow. In pompons the only varieties offered are *Alena*, a very delicate pink and *Zenobia*, a yellow.

Houghton & Clark, florists, Boston, have dissolved partnership, T. J. Clark retiring, and F. H. Houghton will continue the business.

We extend an invitation to our patrons and friends to be present at our anniversary on Thursday, October 29th. Reception from 7 to 12 P. M. to be given at our store, 15 Province St. and 9 Chapman Place, Boston, Mass.

We remain,  
Very truly yours,  
H. M. ROBINSON & CO.



Obituary

Gustav Hanson.

This young and promising landscape engineer was born in Denmark, forty-two years ago, and came with his parents to Cleveland, O., where his father is superintendent of schools at the present time and where he received his own education. Came under the instruction of Nathan Barrett at New York, whom he somewhat resembled, made his first noted work at Chevy Chase near Washington, D. C., the project of Senator Newlands of Nevada, did other promiscuous work around Washington and last fall was engaged in a gigantic scheme for the improvement of Harrisburg, Pa., where he had 300 men under his employ and was contractor, nursery man and landscape architect and engineer. The refusal by the banks at the time of the panic to further finance any contracting scheme forced him to transfer his contracts and the work has since been finished by the municipal authorities. His latest labors have been at Morris-town, Newark and Orange, N. J. In the latter place he did considerable work for Senator Everett Colby, A. C. Jenkins and George Merck in Llewellyn Park.

Two weeks ago he was attacked with rheumatism and was treated by a physician. It, however, returned on October 9 and he expired on the way to the City Hospital, Newark, N. J., at five a. m. The remains were taken to Washington, D. C. He was widely known and maintained an extensive correspondence all over the country. A student of his art and a most promising member of his profession.

J. B. DAVIS.

John A. Balkwil.

John A. Balkwil, president of the Canadian Horticultural Society, and one of the best known floral experts in Canada, died at London, Ont., Oct. 10, from heart failure. Mr. Balkwil had officiated as judge at many of the largest exhibitions in Canada and the United States. He was 72 years old.—Detroit Journal.

Henry Glins.

Henry Glins who died in Cincinnati, O., on October 8, had been connected with the florists' business from early youth, and for the last 25 years had been identified with the retail business on Vine street, Cincinnati. He leaves a widow and daughter.

George A. Saunders.

George A. Saunders, in early life associated with the late George Patten, and later a member of the firm of Mellor & Saunders, retail florists of

Forcing Rhubarb and Asparagus

I have 50,000 three-year old Rhubarb roots for this winter's forcing. Also 50,000 large Asparagus roots for forcing. Order now as there is a large demand for these roots for forcing. Florists are buying heavily. We have also 30,000 Przew, 35,000 Peach trees, 50,000 0.0 Asparagus roots, 200,000 Strawberry plants, 50,000 Apple trees. All ready low to plant.

WARREN SHINN'S NURSERY STOCK  
Woodstown, N. J

FINE  
4-INCH

POINSETTIAS

\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5.00 per 100; \$45.00 per 1000.

THE E. G. HILL CO., Richmond, Ind.

Lowell, Mass., died in Dracut on October 4, at the age of 73.

F. O. Frederickickson.

Frederick O. Frederickickson, who has been a florist in Kansas City, Mo., since 1897, died on Oct. 15 at the age of 48. He leaves a widow.

T. H. Geraghty.

Thomas H. Geraghty, at one time a member of the firm of Galvin & Geraghty, died in Newport, R. I., on Oct. 16, after a long illness.

Leo Zoeller of Louisville, Ky., lost a boy last Friday with pneumonia. He has the sympathy of all.

PLANT IMPORTS.

Entered at New York, Oct. 7th to 20th, 1908.

From Holland: C. C. Abel & Co., 37 cs. bulbs; Robbink & Atkins, 3 cs. plants; H. Frank Darrow, 30 cs. do.; A. W. Fenton, Jr., 1 cs. bulbs; P. Henderson & Co., 2 cs. do.; W. A. Manda, 16 cs. plants; Maltus & Ware, 118 cs. do., 11 cs. trees, 5 cs. bulbs; P. Ouwkerk, 21 cs. trees; C. B. Richards & Co., 2 cs. plants, 303 loose plants; Stumpp & Walter Co., 3 cs. plants, 5 cs. bulbs; J. M. Thorburn & Co., 73 bgs. garden seed; Vaughan's Seed Store, 15 cs. plants, 118 cs. trees, 6 cs. bulbs; Wadley & Smyth, 22 cs. plants; Sundry Forwarders, 18 cs. plants, 12 cs. bulbs.

Via Southampton: H. Frank Darrow, 20 pgs. seed; C. A. Haynes & Co., 2 cs. plants; R. F. Lang, 1 cs. plants; Rooney & Spence, 12 cs. trees.

Via Liverpool: P. Henderson & Co., 67 bags grass seed; Sundry Forwarders, 95 pgs. do.

Via London: Maltus & Ware, 3 cs. plants; Vaughan's Seed Store, 3 cs. mushroom spawn.

Via Havre: H. Frank Darrow, 2 cs. plants.

From Antwerp: H. F. Darrow, 47 cs. plants; Wm. Elliott & Sons, 5 cs. do.; Fruit Auction Co., 6 cs. do.; J. W. Hampton, Jr. & Co., 18 cs. do.; Hussa & Co., 18 cs. do., 16 tubs laurel trees; McHutchison & Co., 79 cs. plants; Maltus & Ware, 407 cs. plants; J. Roehrs Co., 24 cs. do.; August Rolker & Sons, 67 cs. do.; J. Skidmore, 8 cs. do.; J. Ter Kuile, 51 pgs. plants and laurel trees; Yokohama Nursery Co., 1 cs. plants; R. M. Ward & Co., 3 cs. do.; Sundry Forwarders, 68 cs. do.

From Germany: E. L. Boas, 1 basket live plants; C. H. Malony & Co., 6 cs. Lily of the valley pips; R. M. Ward & Co., 2 cs. do.; P. Henderson & Co., 30 bags seed; J. M. Thorburn & Co., 3 bbs. garden seed; Sundry Forwarders, 8 cts. plants, 12 cs. live plants and seeds.

ORCHIDS

Largest Importers, Exporters, Growers  
and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

IMPORTED ORCHIDS

Arrived in Superb Condition

Vanda coerules, Cattleya Trianae,  
Cattleya gigas Sanderiana, Cattleya  
Schroederiae, Oncidium varicosum.

JULIUS ROEHRS CO., Rutherford, N. J.

ORCHIDS

Fresh shipments arrived in superb condition  
Cattleya gigas (True Hardyana type).  
Cattleya Schroederiae, C. Trianae, C. Trianae To-  
payian var., Laelia Digbyana, Oncidium  
Kramerianum, Miltonia Vexillaria, Peristeria  
elata (Dove orchid) and Odontoglossum  
Harryanum and Sceptrum: Write for prices.

LAGER & HURRELL, Summit, N. J.

ORCHIDS

Orchid Baskets and Peat  
Write for Prices

JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.

ORCHIDS

Our importation has arrived In Perfect Condition

C. Gigas Sanderiana, C. Percivaliana,  
C. Gaskelliana, C. Mossiae.  
Expect C. Mendelli shortly.

ORDONEZ BROS., Madison, N. J.

ORCHIDS

Our latest importations have been, Cattleya Chrysotoxa, Cattleya Gaskelliana, Cattleya Gigas, (Hardyana district), Phalaenopsis Amabilis Schilleriana and others. We will receive in a short time, Cattleya Dowiana, Miltonia Vexillaria and others.

CARRILLO & BALDWIN  
SECAUCUS, N. J.

Fine Quality Orchid Peat

25-bbl lots.....80c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.

ZIRNGIEBEL'S FINE STRAIN  
OF  
PANSY PLANTS  
NOW READY. Known for a quarter of a  
century. \$4.00 per 1000, 50 cents per 100.  
AUGUSTUS ZIRNGIEBEL,  
Cash with the order. NEEDHAM, Mass.

# JOHN WATERER & SON, Ltd.

## American Nursery Bagshot, England

Are Specialists in the

### REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

**EVERGREENS** for early Fall planting: **HARDY RHODODENDRONS** per thousand. All other fine **SHRUBS**, **TREES**, **VINES**, **PERENNIAL PLANTS** and **FRUITS**. Complete assortments: Careful grading: Low prices.

## AMERICAN NURSERY COMPANY,

Sales Department, - - - - 150 BROADWAY, NEW YORK CITY.  
BLOODGOOD NURSERIES DEPT., Flushing, Long Island.  
F. & F. NURSERIES DEPT., - - Springfield, New Jersey.

## HERBACEOUS PERENNIALS HARDY ORNAMENTAL TREES

EVERGREENS, SHRUBS,  
VINES, ROSES, Etc.

Largest Variety in New England

Order Now for Fall Planting  
**THE BAY STATE NURSERIES,**

Catalogue Free  
North Abington, Mass.

### PITTSBURG EXHIBITIONS.

The chrysanthemum season opened in Pittsburg Oct. 18th, when the conservatories of H. C. Frick and A. J. Heinz were declared open. At the Frick place D. Fraser, who is the pioneer of these popular semi-annual shows in Pittsburg, again does himself credit with a magnificent display of chrysanthemums, begonias, orchids and other good things, all well grown and arranged a la Fraser. The chrysanthemums are particularly fine; the recent warm weather has hastened the buds along, many of the flowers being large, well-finished blooms, but the best are still to come. A number of plants in reserve will greatly prolong the season. The major portion of the chrysanthemums are standard varieties. Amongst the newer varieties May Donnelan, a beautiful rich yellow, is considered the finest. Mr. Fraser pointed out a sport of G. H. Hunt which has originated with him and which is quite spiny.

The Heinz display reflects credit on the skill of Mr. Featherstone, who has only lately assumed charge, and has already made his presence apparent in those fine greenhouses and grounds. The chrysanthemum display is somewhat premature, many of the flowers which will make fine large blooms being as yet only half expanded. The other sections are in good condition; some fine *Cattleya labiata*, gardenias and foliage plants were noted. The palm house, an exterior view of which appeared on the frontispiece of a recent issue of HORTICULTURE, has been thoroughly overhauled, and transformed from a tropical wilderness into a model of luxuriant neatness.

Some fine specimens of *Dicksonia antarctica* are worthy of special mention.

J. HUTCHINSON.

## NEWPORT FAIRY

THE ROSE OF THE FUTURE FOR IN AND OUT DOOR.

Fine, Strong, Field-Grown Stock

3-4 Shoots 3-4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.**  
RUTHERFORD, N. J.

## NURSERY STOCK

Norway and Sugar Maples, 1 to 6 in. caliper. Beeches in variety, 6 to 16 feet. *Viburnum mentosum* and *plicatum*. *Forsythias*, *Deutzias*, *Altheas* and other shrubs 4 to 8 feet. Ask for wholesale list of ornamental nursery stock in large assortment.

## SAMUEL C. MOON

Morrisville Nursery. MORRISVILLE, PA.

Hardy Rhododendrons, Azaleas, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights, N. J.

## ROSES

A SPECIALTY

The Dingee & Conard Co., West Grove, PA.

EXTRA QUALITY **Bride and Maid**

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

The E. G. HILL CO., Richmond, Ind.

## Troy's WANT Corner

### WANTED

Nursery foreman for a 240 acre farm in Westchester Co., New York, to start nursery business.

Write giving full particulars to

**J. H. TROY,**  
24 East 34th St., NEW YORK CITY.

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.  
White Spruce, 3-4, 4-5, and 5-6 ft.  
Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.  
Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.  
White Pine, 4-5, 5-6 and 6-7 ft.

And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

**The New England Nurseries, Inc.**  
BEDFORD, MASS.

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

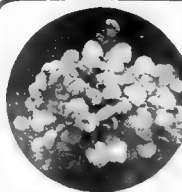
## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubbery in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. *Vinca variegata*, field grown.

Send Your Wants and I Will Send You Price



New Forcing and Garden Hydrangea.

## HYDRANGEA

(*Arborescens*)

### GRAND. ALBA

A taking novelty for

**FORCING**

Strong field-grown 15 inch and up \$15 per 100, \$140 per 1000. 10 to 15 inch \$10 per 100, \$90 per 1000.

**The Elm City Nurs. Co.**  
NEW HAVEN, CONN.

## BARGAINS in TREES and PLANTS

Concord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

## Seed Trade

If recent quotations from California are any indication of actual conditions, the persistent cry of the great shortage of lettuce seed is on a par with the claim of a famine in onion seed which came from the gold state a year ago. In the onion seed matter most seedmen were led into error as to the shortage and prices were made far too high. A few seedmen following their usual course, the more eager buyers became, the more closely they buttoned up, and turned a deaf ear to all inquiries, and instead of selling when they could have made a handsome profit, they began to see visions of \$5.00 onion seed, the result being that at the last they would have been glad to sell their seed at cost, but could not even do this and had to carry over large quantities, especially of the yellow varieties, which must now be sold at less than cost. So it may prove on lettuce and cucumber this year. Josh Billings' homely saying that "the time to set a hen is when she wants to set," applies with remarkable directness to the seed business, as the time to sell is when people want to buy, for no matter what the scarcity, there comes a time when interest wanes, and prices go the same

## ATTRACTIVE PRICES

— ON —

**Hyacinths, Tulips, Narcissi, Lilium Harrisii, Lil. Multiflorum and Giganteum, Boxwood, Blue Spruce, Rhododendrons, California Privet, Peonies.**

**Gleary's Horticultural Co. A.T. CLEARY 62 Vesey St., New York**  
MGR.

60%

Delivery on ALASKA, HORSFORD, Etc.

A FULL PRO RATA OF CROP ON ALL CONTRACTS.

60%

**LEONARD SEED CO., CHICAGO.**

IS  
IT AN  
ACCIDENT?

way. When the buyer seeks the seller, is the latter's opportunity.

The temporary relief from the protracted drought in the shape of badly needed rain which gladdened the heart of the whole country a week or two ago, has been followed by conditions even worse than those before the rain. The terrible forest fires which have raged in northern Michigan, in addition to the loss of millions of dollars worth of property, have also taken an awful toll in human life. These fires are the almost direct result of the drought which has renewed its blighting grip on the entire country east of the Rocky Mountains.

There is just one cause of satisfaction to the seedsmen, and that is, that such crops as were raised can be cured and saved without the additional loss which might have followed a cold, rainy autumn, but the loss and suffering which farms and rural communities must endure are really appalling, and will be tragical in many sections if rain does not soon relieve the situation.

Not much additional information can be given on crop conditions this week. There is a flood of inquiries coming from canners, but not an offer of canners' peas can be extracted with a corkscrew. It is certainly an unparalleled situation.

There seems to be more than the usual complaint and dissatisfaction this year among the pea packers regarding the extremely short deliveries being made to many of them upon their seed contracts.

While it is known that the seed crops harvested are less than a full crop, and even less than the field estimates, yet it seems unreasonable that there should be such a difference between the deliveries actually being made by the seed growers this season, and many canners are seriously questioning whether or not they really received their full pro rata of the crop grown by the parties they made their contracts with.

It is understood that some deliveries have fallen as low as 25 to 40 per cent., which makes it unprofitable for the unfortunate canner to operate his factory, unless he enters the market and buys at extremely high prices a large share of the seed necessary to plant his usual acreage. This makes

## Gold Frame Mats

MADE OF BURLAPS THICKLY  
QUILTED WITH JUTE, WILL  
COVER TWO SASH,

**\$1.25, \$14.00 doz.**

MADE OF STRAW, WILL COVER  
TWO FRAMES,

**\$1.75, \$20.00 doz.**

**W. ELLIOTT & SONS**

42 VESEY STREET, NEW YORK.

**WIZARD BRAND** PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE  
**MANURE**



Cattle Manure in Bags, shredded or pulverized. Sheep Manure kiln dried in barrels.  
Best and safest manure for florists' and greenhouse use.

**Absolutely Pure  
No Waste  
No Danger**

Write for literature and quantity prices.

**THE PULVERIZED MANURE CO.**

31 Exchange Ave., Union Stock Yards, Chicago

## SHEEP MANURE

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**  
CLIFTON, N. J.

## Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**

6 & 7 South Market Street

**BOSTON, MASS.**

## Spanish Iris For Forcing

A surplus of extra fine stock in following splendid varieties:

**COUNT NASSAU, CAJANUS,  
BLANCHE FLEUR, BRITISH  
QUEEN, Etc.,**

Send list of wants for prices

**HYACINTHS, TULIPS, NARCISSUS,**  
and all seasonable stock. Send for Catalogue.

Fresh Tobacco Stems, in Bales of 300lbs., \$1.50

**W. C. Beckert, No. Side, Pittsburg, Pa.** Seedsman

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100,  
\$1.00 per 1000.

**Lettuce** Boston Market, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

In ordering goods, please add "I saw it in HORTICULTURE."

the average cost of his seed higher than his farmers will stand for.

Among the brighter spots standing out this year are the deliveries that are being made by two or three of the western growers. One or two expect to deliver 50 per cent., and we understand the Leonard Seed Company is making 60 per cent. on Alaskas and the Sweet Wrinkled varieties used by canners.

At the regular annual meeting of the Mutual Benefit Association of the Joseph Breck & Sons Corporation held October 13, the following officers were elected for the ensuing year: President, Alex. J. M. Joiner; vice-president, F. S. Ferreira; treasurer, H. L. Haynes; secretary, Miss H. L. Riley; executive committee, Mrs. A. Coombs, Miss M. E. Hopkins, Messrs J. N. Marden, S. L. Hatch, and W. J. Dacey.

It was unanimously voted to extend to the members of the corporation a vote of thanks for the action taken recently as regards early closing on Saturdays.

The report of the treasurer showed the association in a very flourishing condition.

The Lake Erie Seed Co. has been incorporated at West Seneca, N. Y., with capital of \$6,000, by J. H. Bar, Fred Heomadka of Cleveland and G. S. Olcott of Olean, N. Y.

A. J. Pieters Seed Co., Hollister, Calif., who have recently acquired the Lyon ranch at Fairview, will sow it to onions.

It is stated that the D. M. Ferry Seed Co. is to establish a large seed farm in Idaho.

Proclaiming a new era for seed selection in the agriculture and horticulture of the state, President Duncan of the Alabama Plant Breeders' Association, issued an enthusiastic appeal to the public for co-operation. The address of President Duncan is to enlist the masses in the movement. The logic of his appeal, it is believed, will have the desired effect, and on the membership roll of the new organization, the leading farmers of Alabama will in time appear. The committee on constitution and by-laws of the organization will make a full report at the next meeting of the association, subject to the call of the president.—Mobile (Ala.) Register, October 9, 1908.

## SOW NOW MY STRAIN OF Hardy Garden Carnations

	as;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,		\$2.50	.30
Dwarf Scarlet Grenadin .....		2.00	.30
Early Dwarf Vienna, finest mixed.....		1.00	.20
New Early White Vienna, fine for cut,		1.50	.20
New Early Dwarf Hardy Garden			
Pinks, in splendid colors, mixed.....		4.00	.50

**O. V. ZANGEN, Seedsman**  
HOBOKEN, N. J.

BRIDGEMAN'S SEED WAREHOUSE

**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**Burpee's Seeds**

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

# MICHELL Headquarters for Bulbs.

Just received in fine condition a late dug well matured lot of

## LILIUM HARRISII

True stock grown by the most reliable growers in Bermuda.  
5-7 inch 400 Bulbs in Case, \$16.00 (These Bulbs actually run 6-7 inch.) Only 20 Cases left.  
Immediate ordering is advisable.

## WATSONIA ARDERNEI

Gladioli like flower of pure white blooms, of great value.  
Extra Large Bulbs.....\$1.25 per doz. \$9.00 per 100.

Wholesale Catalogue of Bulbs, Seeds, Etc., Sent Free.

**HENRY F. MICHELL CO.,**

1016 Market Street, PHILADELPHIA, PA.

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

—ALSO—

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

*Thorburn's*  
*Bulbs*

Lilium Longiflorum, 6 to 8 in. and up  
Lilium Longiflorum Multiflorum,  
6 to 8 in up  
Lilium Candidum  
Bermuda Easter Lilies

Seeds of our Magnificent Strain

Cyclamen Giganteum, Asparagus plumosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**A. MITTING**

**Calla Lily Bulb Co.**

Santa Cruz, Calif., U.S.A.

**JUST ARRIVED**

HIGH GRADE

**DUTCH BULBS**

We also carry a full line of Florists' Supplies

**THOMAS J. GREY CO.**

32 & 33 So. Market St., BOSTON, MASS.

In ordering goods, please add "I saw it in HORTICULTURE."

**Remember** we have a few left—**LILIUM CANDIDUM**—good sound bulbs. Price \$4.50 per 100; \$40.00 per 1000. Also good supply of Dutch Bulbs.

**H. E. FISKE SEED CO.**

The Faneuil Hall Square Seed Store,  
BOSTON, MASS.

**Winter-flowering**

**SWEET PEA SEED**

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

**READY** For Prompt

Shipment...

**FRENCH and DUTCH BULBS**

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**Cauliflowers**  
**CABBAGE**

**HJALMAR HARTMANN & CO.**

12 Stormgade,  
COPENHAGEN, DENMARK.

**QUALITY SEED BULBS PLANTS**

SEND FOR CATALOGUE

**ARTHUR T. BODDINGTON**

342 West 14th St., New York.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M.C. and J.E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.

OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists

### ECONOMY IN WINDOW DRESSING.

The general depression of business having manifested itself keenly in the cut flower trade suggests the necessity of economy and its practice by the retail florists.

No better opportunity presents itself than that of window dressing, where flowers are too often unnecessarily wasted. With one-fourth, or less, of the cut flowers banked in the windows of many of our flower shops, a tasty and artistic show might be made.

Too many flowers and too little judgment are usually the faulty features. Exotics in variety placed wide apart, offering each plant to show fully for itself, is the first economy essential. The plants must be as near perfect as it is possible to procure them, and, when no longer things of beauty, must

### STEAMER DEPARTURES

Allan.

Tunisian, Montreal-Liverp'l...Oct. 30

Victorian, Montreal-Liverp'l...Nov. 5

American.

St. Paul, N. Y.-S'hampton...Oct. 31

New York, N. Y.-S'hampton...Nov. 7

Atlantic Transport.

Minnetonka, N. Y.-London...Oct. 31

Mesaba, N. Y.-London...Nov. 7

Cunard.

Caupania, N. Y.-Liverp'l...Oct. 28

Ivernia, Boston-Liverp'l...Nov. 3

Lusitania, N. Y.-Liverp'l...Nov. 4

French Line.

La Provence, N. Y.-Havre...Oct. 29

Chicago, N. Y.-Havre...Nov. 7

Leyland.

Canadian, Boston-Liverp'l...Oct. 28

Belgian, Boston-Liverp'l...Nov. 4

North German Lloyd.

Cecile, N. Y.-Bremen...Oct. 27

Kronpr. Wm., N. Y.-Bremen...Nov. 3

White Star.

Teutonic, N. Y.-S'hampton...Oct. 28

Baltic, N. Y.-Liverp'l...Oct. 29

Adriatic, N. Y.-S'hampton...Nov. 4

Cedric, N. Y.-Liverp'l...Nov. 5

Cynric, Boston-Liverp'l...Nov. 7

be replaced with others of equal distinction. Plants of light structure are preferable, as they make the most delicate background for the flowers that constitute the bloom display.

One large vase of choice flowers— one kind—is all that is actually necessary, although the introduction of several smaller vases of rare blossoms, harmonizing with the larger centerpiece, is admirable. These flowers, after having done a day's duty, if not sold before closing time, can be very readily used in orders of a secondary nature, the following day; the value of the flowers being but slightly impaired the matter of economy is easily observed.

Window displays as described, when artistically arranged, are invariably observed by the public, and when the character of dressing is frequently changed will prove sufficiently attractive to induce the flower lover to go out of his way to observe the nov-

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1532-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

## THOS. F. CALVIN

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.



elities and often to make his purchases. Is there a better advertisement for the florist than the window? No. Is there economy in the practice? Yes. Then why not break away from the time-ridden custom of piling the show window to its utmost with a mixed and unattractive conglomeration of flowers?

#### NEW RETAIL FLOWER STORES.

C. L. Adgate, Niles, Ohio.  
Frank Tobisch, Stillwater, Minn.  
James Duffy, 208 N. Elm St., Greensboro, N. C.

G. R. Geiger Estate, Item Building, Nazareth, Pa.

Lloyd Swarthout, Washington, Pa.;  
C. C. Phillips, manager.

Henry Fuchs, Fourth Ave., near Chestnut St., Louisville, Ky.

J. H. Newhall of the Aurora Greenhouse Co. is in Chicago making arrangements for the opening of his new retail store, Aurora, Ill., Oct. 23rd.

Hanig, the Brooklyn, N. Y. hustler, is about to open a new store at Nstrand and St. Mark's avenue which he asserts will be the finest in the city.

#### BOSTON FLORIST LETTER CO.

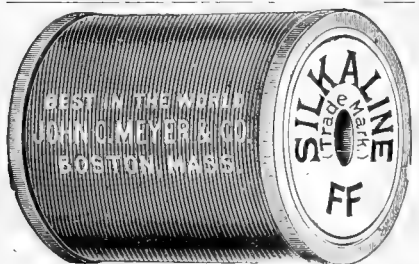
Manufacturers of FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12, made in two sections, one for each size letter, given away with first order of 500 letters

Block Letters, 1 1/2 or 2 inch size per 100, \$2  
Script Letters, 3. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers

N. F. McCARTHY, Manager  
66 Pearl Street, BOSTON, MASS.



#### FLORISTS' SUPPLIES

Send for New Catalogue

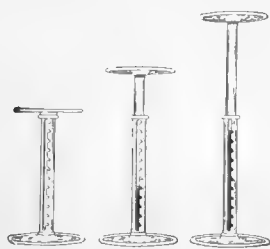
#### H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address. Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984



#### THE NEW IDEA IN PLANT STANDS

### The Moore-Livingston Graduating or Adjusting

Saves one-half to two-thirds of cost over ordinary galvanized iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS

SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., Lansdowne, Pa.

#### NEWS NOTES.

The Hawkes Nurseries at Caldwell, Idaho, is a new addition to the enterprising nurseries of the west.

Frank T. Ramsey has just admitted his son, J. M. Ramsey, into partnership in the Austin Nursery, Austin, Texas.

Miss Bessie Pearce has been appointed manager of the branch of the Lutey Floral Co., located at Lake Linden, Mich.

C. N. Weaver has purchased the Berry ranch at Freewater, Ore., for the purpose of raising flowers for the market.

C. A. Kuhl, of Pekin, Ill., won six premiums out of nine on plants and six out of eight on cut flowers at the Illinois State Fair.

The Dole Floral Co., Beatrice, Neb., are to move between Fifth and Sixth streets, their present site having been sold for park purposes.

John DeRock has fitted up the Mau Greenhouses, between Wymore and Blue Springs, Nebraska, and planted them largely to carnations.

The Wichita Nursery at Wichita, Kansas, has built a new fumigating house for the purpose of treating all plants with hydro-cyanic gas.

The contest over the will of the late George Ellwanger of Rochester, N. Y., has been settled by the withdrawal of the objection against the executor.

A portion of the greenhouse of Mrs. M. Neuburger of Erie, Pa., was destroyed by fire on October 1, with a loss of about \$1,000. A defective boiler was the cause.

Mrs. Grace M. Nichols, who conducted a florist store in the Allen building, Worcester, Mass., was a sufferer by the fire which occurred on October 14 to the extent of \$100.00.

H. P. Potter of Wilmington, Del., has completely transformed his establishment this summer, adding offices on the first floor and a large display room on the second floor.

Among the most striking adornments of the florists' windows in New York are groups of superb celosias. These are specialties with Lehnig & Winnifield at Hackelsack, N. J.

Harry Cornell and Edward Salver, under the firm name of the Park Floral Co., had a very successful opening of

their new store at Nanticoke, Pa., on October 9. Souvenirs were presented to all the ladies.

The Empire Floral Co., of New York, recently incorporated, will operate the various Warendorff stores of the Warendorff brothers, Herman, Victor and Edward, also the stand at the Hotel Empire recently acquired from Fleischman.

Wieter Bros., Chicago, find a barrel a good thing for holding cut chrysanthemums, using about eighteen inches of water in it. The barrel gives room for the stems without injury to the foliage. This is, of course, for use at the greenhouses and not in the store.

#### BUSINESS CHANGES.

C. A. Beyer succeeds Starke & Co., 52 West 29th St., New York.

The greenhouses of the late James Ruth, Wyomissing, Pa., have been sold to C. C. Stetler.

J. D. Lewis has bought out the greenhouse business of his son, S. E. Lewis, at Moosup, Conn.

The Idlewild Floral Co. succeed D. L. Lashey at the Battery Park greenhouses, Asheville, N. C.

Albert C. Rott of Joliet, formerly president and treasurer of the Thompson Florist Co. of Joliet, Ill., has purchased the interests of the other parties and is now sole proprietor. The name will probably be changed soon.



#### ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building  
28 STATE ST., BOSTON  
Telephone, Main 38

## CHRYSANTHEMUMS

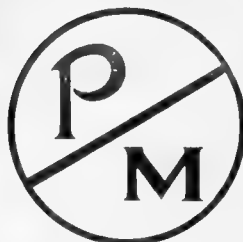
PINK, WHITE AND YELLOW.

Good Value, \$1.00—\$1.50 per dozen.  
Fancy Stock \$2.00 per dozen.

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.



## ROSES

Exceptional value in medium lengths and fine flowers.

OUR SELECTION

\$10.00 per thousand

QUALITY

S. S. PENNOCK-MEEHAN CO.

1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

## AUTUMN FOLIAGE

Any Quantity. Well Colored.

W. E. McKISSICK WHOLESALE FLORIST

PHILADELPHIA

1619-1621 RANSTEAD ST.



## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

PETER REINBERG  
WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

E. F. WINTERSON CO.

15-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists  
FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. Complete line of Hardy Greens—WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

AMERICAN BEAUTY and all other ROSES  
LILY OF THE VALLEY, CARNATIONS  
WELCH BROS., 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Oct. 19		Oct. 19		Oct. 21		Oct. 22	
ROSES								
Am Beauty, Fancy and Special...	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 25.00
"    Extra .....	15.00	to 20.00	12.00	to 15.00	12.50	to 15.00	12.00	to 15.00
"    No. 1 .....	10.00	to 15.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
"    Lower grades, .....	6.00	to 10.00	4.00	to 6.00	4.00	to 6.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special .....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	2.00	to 6.00
"    Lower grades .....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	.50	to 1.00
Killarney, Richmond, Fan. & Sp. ....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	2.00	to 6.00
"    Lower grades .....	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	.50	to 1.00
Kaiserin, Carnot .....	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00	.50	to 1.00
Golden Gate, Chateauf, etc. ....	4.00	to 6.00	4.00	to 6.00	2.00	to 4.00	.50	to 1.00
CARNATIONS								
Fancy and Novelties .....	2.00	to 4.00	2.00	to 4.00	.....	to 2.00	1.00	to 2.00
Ordinary .....	1.00	to 2.00	1.00	to 2.00	1.00	to 1.50	.75	to 1.00
MISCELLANEOUS								
Cattleyas .....	50.00	to 60.00	50.00	to 60.00	40.00	to 50.00	30.00	to 50.00
Lilies .....	12.00	to 16.00	12.00	to 16.00	.....	to 12.50	6.00	to 8.00
Lily of the Valley .....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.50	1.00	to 3.00
Chrysanthemums, Fancy .....	15.00	to 25.00	15.00	to 25.00	12.00	to 20.00	8.00	to 12.00
"    Ordinary .....	8.00	to 15.00	8.00	to 15.00	6.00	to 8.00	4.00	to 6.00
Violets .....	.....	to .60	50.00	to 60.00	.40	to .75	.35	to .50
Adiantum .....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax .....	10.00	to 12.00	10.00	to 15.00	.....	to 15.00	10.00	to 12.50
Asparagus Plumosus, strings .....	35.00	to 50.00	35.00	to 50.00	.....	to 50.00	25.00	to 50.00
"    "    & Spreng. (100 bchs.) .....	35.00	to 50.00	35.00	to 50.00	.....	to 50.00	15.00	to 25.50

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

CUT FLOWERS



HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 100 Galax, Green, sec. Leucothoe Sprays (green only) \$2.00. Ferns, Dagger and Fancy, 70c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. N. C. Park, N. C.

NORTH CAROLINA EVERGREEN CO.  
Banner Elk, - - N. C.

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Flower Market Reports.

**BOSTON** Business here has dropped off with a suddenness and decidedness almost startling. The hot weather did it. For the two weeks of prosperity enjoyed previously all are duly grateful. Not content with slugging the demand the hot weather went further and forced in a lot of flowers of miserable quality unfit to offer to any discerning buyer, and although freezing night temperatures have now swung in the effect of the strain is still visible in the stock being received at present. Values have, of course, weakened, but price quotations are not materially changed. They are low enough on all goods for the time of year and there is a disposition to maintain them if possible, cutting them only on very large sales or on account of age or other disqualification.

**BUFFALO** Genuine Indian summer was had the past week and the warm weather brought on the stock faster than was wished for, especially the chrysanthemums, which came in heavy supply and with little or no demand except for yellow. There being plenty of other stock, especially Beauty, Killarney, Richmond and all other roses, the coolers have been carrying a heavy supply. Lily of the valley was quite active, but violets very slow. Carnation demand has been a little brisk. White Enchantress is showing well, large blooms and long stems; other varieties also of excellent quality. At the time of mailing report (Tuesday) the market is loaded with everything, particularly chrysanthemums, short carnations and roses. The first two days have shown a falling off in trade as compared with one week or ten days ago, but it is hoped that things will change for the better at the end of the week.

**CHICAGO** Chrysanthemums are here with the results, good and bad, that always follow. The flowers are fine. October Frost and Golden Glow are practically gone but a few are still seen in some stores. Chrysanthemum plants can scarcely be said to be in the market yet. During the past week summer heat has been with us and been rather disastrous to the market, chrysanthemums excepted. Some dealers report business so slow that roses must be disposed of at about half price or lost. Stock is poor and demand light. Carnations are suffering too, and only fancy stock brings the price that gladdens the heart of the grower. Poor carnations or those that could not stand the heat will not sell at all. Chrysanthemums, always queen of the market at this time of the year, are especially so this week. The killing frosts have completely cleaned the market of asters, gladioli and daisies.

The market appears to be on a pretty good footing. While some lines are scarce there is a sufficiency of other stock to offset this lack. Chrysanthemums are coming pretty freely and their influence is felt on the demand for roses and carnations. American Beauty roses, particularly long-stem grades, are more plentiful. Other roses continue good

## WHOLESALE FLOWER MARKETS.

PER 100.  
TO DEALERS ONLY.  
BUFFALO  
Oct. 19  
PITTSBURG  
Oct. 21

### ROSES

	CINCINNATI Oct. 20	DETROIT Oct. 20	BUFFALO Oct. 19	PITTSBURG Oct. 21
Am. Beauty, Fan. and Sp.	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" Extra	18.00 to 20.00	18.00 to 20.00	15.00 to 20.00	15.00 to 15.00
" No. 1	12.00 to 15.00	12.00 to 16.00	8.00 to 15.00	6.00 to 8.00
" Lower grades	6.00 to 10.00	6.00 to 10.00	3.00 to 8.00	3.00 to 4.00
Bride, 'Maid, F. & S.	4.00 to 6.00	6.00 to 8.00	6.00 to 7.00	4.00 to 6.00
" Low gr.	2.00 to 4.00	4.00 to 6.00	2.00 to 4.00	2.00 to 2.00
Killarney, Richmond, Fan. & Sp.	5.00 to 7.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
" Lower grades	2.00 to 4.00	4.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Kaiserin, Carnot	4.00 to 6.00	6.00 to 8.00	3.00 to 7.00	3.00 to 8.00
Golden Gate, Chateauf, etc.	3.00 to 6.00	4.00 to 6.00	3.00 to 6.00	3.00 to 8.00

### CARNATIONS

Fancy and Novelties	..... to 2.00	2.00 to 4.00	1.50 to 2.00	1.50 to 2.00
Ordinary	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50	..... to 1.00

### MISCELLANEOUS

Cattleyas	..... to 35.00	35.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Lilies	8.00 to 10.00	12.50 to 15.00	3.00 to 4.00	12.00 to 15.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.50	3.00 to 4.00	2.00 to 4.00
Chrysanthemums, Fancy	15.00 to 25.00	15.00 to 25.00	12.00 to 20.00	15.00 to 25.00
" Ordinary	5.00 to 10.00	6.00 to 12.00	5.00 to 8.00	5.00 to 12.00
Violets	.50 to .60	.50 to .60	.40 to .50	.50 to .75
Adiantum	..... to 1.00	1.00 to 1.50	.50 to 1.00	1.00 to 1.25
Smilax	10.00 to 12.50	12.50 to 15.00	12.00 to 15.00	10.00 to 15.00
Asparagus Plumosus, strings	40.00 to 50.00	50.00 to 75.00	40.00 to 50.00	30.00 to 50.00
" & Spreng. (100 bchs.)	25.00 to 35.00	40.00 to 50.00	25.00 to 30.00	30.00 to 50.00

with prices a trifle lower. Carnations are much improved but prices unsatisfactory. Lilies seem to be hard to dispose of at the present time. Trade is not what it ought to be owing to the weather. Fall weddings are numerous but very few elaborate. Prospects are good for an abundance of orchids, violets, lily of the valley and flowering plants of all sorts. The market here is depleted of good green stock, particularly smilax, and shipped material is relied upon.

**LOUISVILLE** Business the past week was not any too good. There was plenty of stock and not much demand, chrysanthemums and carnations being about the only stock moving satisfactorily, although roses had a fair demand. Lilies, lily of the valley, dahlias, greens, etc., are all in good supply and find some demand. The quality of all is excellent.

**PHILADELPHIA** The flower markets here were fairly brisk the early part of last week but the warm weather of the latter part had a bad effect, bringing in too much stock—the glut being accentuated by a slackening in demand. Chrysanthemums held steady at the sharp decline of previous week. They are of fine quality and moved freely but the quotations were very unsatisfactory to the growers. Among the most conspicuous arrivals are: Cremona, Halliday, Touset and Ivory. Roses are holding their own fairly well. American Beauty continues of excellent quality, but the market is not particularly lively. While carnations are improving, there are still great quantities of short-stem stock coming in. The best are: Winsor, Enchantress, White Perfection, Afterglow and Beacon. The demand for violets is livelier. The demand for orchids is good, but the supply keeps pace. Lilies are plentiful and in demand. Great quantities of cosmos used

daily. Snapdragon has been coming in sparingly for several weeks and is now plentiful. The lighter colors are most popular.

Following the heavy **WASHINGTON** frost of last week, Washington has been sweltering under almost August temperature. The heat and drought of the past three weeks is seriously affecting all vegetation and wells are lower than in years. Greenhouse prices are down and there is a perfect glut of cosmos on the market. It is hard to find sale for good material for the usual pre-election conditions exist—only a little "more so"—and florists complain that it is hard to tell a week day from Sunday.

### PHILADELPHIA NOTES.

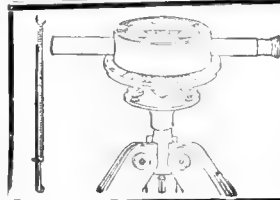
Paul Klingsporn has severed his connection with W. E. McKissick, and will locate with his brother in Florida.

Harry A. Crawford was married to Miss G. White Oct. 7th. The happy couple will reside at their country home at Secane, Pa. Mr. Crawford is a son of Robert Crawford, and is associated with him in the florist business.

The Moore-Livingstone Co. report a very satisfactory demand for their new flower stand from every state of the Union; Canada and Mexico are also heard from. The Pennsylvania Horticultural Society highly commended the device at its last meeting.

The new dahlia "Jack Rose" deserves all that Edwin Lonsdale and others have said of it. Too much magnenta in it for my taste. Maybe Jack Rose can make a place for itself but I can't see it. To my mind, it's a weak imitation of Katherine Duer.

Arthur Herrington was a visitor this week and was captured by W. Kleinheinz long enough to meet the experts at the meeting and exhibition of the Pennsylvania Horticultural Society.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**

Wholesale Commission Florist,  
 Choice Cut Flowers,  
 57 West 28th St., :: NEW YORK.  
 Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**

Richmond Roses and Rich Flowers  
 of all varieties

**JOS. S. FENRICH**

110 W. 28th Street, New York  
 Tel. 324-325 Madison Square

**Alfred H. Langjahr**

All choice cut-flowers in season. Send  
 for quotations. Correspondence with  
 shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephone 4626-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
 1463

**FRANK MILLANG**

**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
 sale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOED**

43 W. 28th Street, NEW YORK  
 Telephone, 399 Madison Sq.

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
 Madison Square.

New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860  
 3861 Madison

NEW YORK

**JOHN I. RAYNOR**

**Wholesale Commission Florist** SELLING AGENT FOR  
 LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York  
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
 and Seller of

Open from 5 a. m. to 6 p. m. Sunday  
 till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown

Finest Lilies in the Market Every Day in the Year.

**CUT FLOWERS**

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
**PHONES 1664-1665 MADISON SQUARE**  
**ENOUGH SAID**

**NEW YORK QUOTATIONS PER 100. To Dealers Only**

	Last Half of Week ending Oct. 2 1908		First Half of Week beginning Oct. 26 1908	
<b>ROSES</b>				
American Beauty, Fancy and Special	8.00 to	12.00	8.00 to	12.00
" " Extra	6.00 to	8.00	6.00 to	8.00
" " No. 1	5.00 to	6.00	4.00 to	5.00
" " Lower Grades	1.00 to	2.00	.50 to	2.00
Bride, 'Laid, Fancy and Special	3.00 to	5.00	3.00 to	5.00
" " Lower Grades	.50 to	1.00	.50 to	2.00
Killarney, Richmond, Fancy and Special	3.00 to	5.00	3.00 to	5.00
" " Lower Grades	.50 to	1.00	.50 to	2.00
Kaiserin, Carnot	.50 to	5.00	.50 to	5.00
Golden Gate, Chateauf, etc.	.50 to	5.00	.50 to	6.00

**TRAENDLY & SCHENCK**

Wholesale Florists

Furnish best stock at fair prices all the year round.

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.**

CUT FLOWERS  
 AT  
 WHOLESALE

VIOLETS, CARNATIONS, ROSES  
 ORCHIDS, CHRYSANTHEMUMS, LILIES

Consignments Solicited Shipments to Order, any Distance

39 West 28th Street,

Telephone 4657 Madison Square  
 J. J. COAN, Manager

NEW YORK



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**WHOLESALE FLORISTS**  
54 West 28th St.  
NEW YORK  
Telephone 3659 Madison Sq.

## A. L. YOUNG & CO.

**RECEIVERS & SHIPPERS OF CUT FLOWERS.**  
CONSIGNMENTS SOLICITED.

**JOHN YOUNG**  
**WHOLESALE FLORIST**  
Finest American Beauties and Carnations  
51 West 28 St. - NEW YORK

**GEORGE COTSONAS & CO.**  
Wholesale and Retail Dealers in all kinds of **EVERGREENS**  
Fancy and Dagger Ferns  
Bronze and Green Galax  
**Main Store 50 W. 28 St.**  
Phone 1202 Mad. Sq. New York

**Flowers and Florists' Supplies**

The best place in AMERICA to buy

## BAY TREES

**N. F. McCarthy & Co.**

84 Hawley St., BOSTON, MASS.

Largest Dealers in Supplies in New England.

**WILLIAM H. KUEBLER**  
Brooklyn's Foremost and Best  
**WHOLESALE COMMISSION HOUSE**  
A First Class Market for all CUT FLOWERS  
28 Willoughby St., Brooklyn, N. Y.  
Tel. 4591 Main

**E. A. BEAVEN**  
Southern Wild Smilax,  
Log Mosses,  
Natural and Perpetuated — at Wholesale  
**EVERGREEN, ALABAMA.**

## MISTLETOE

**WHOLESALE ONLY**

Twelve years' experience in gathering and shipping Mistletoe. Crop will be about fifty-five thousand pounds. Dates of shipments guaranteed. Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

## Wired Toothpicks

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

**Greater New York Florists' Association, Inc.**  
Now Open for Cut Flower Consignments  
162 Livingston Street, BROOKLYN, N. Y.  
Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Glassware Decorative Greens and Florists' Requisites

**WEIGEL & UJFALUSSY**  
Successors to Emil Steffens  
Manufacturers of Florists' Wire Designs and Supplies. Established 1866.  
136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

## THE KERVAN CO.

Wholesale Dealers and Shippers of **Decorative Evergreens**  
Ferns, Galax, Laurel, Fresh Cypres, Boxwood, Sphagnum and all Christmas Greens  
Send to us for Quotations before Buying.  
113 West 28 Street, NEW YORK CITY

**SAMUEL A. WOODROW**  
**WHOLESALE PLANTSMAN**  
Palms, Large and Small Ferns, etc.  
53 West 30th Street, NEW YORK  
Telephone 2083 Madison

**H. C. BERNING**  
**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Oct. 24 1908	First Half of Week beginning Oct. 26 1908
Carnations, Fancy and Novelties.....	1.00 to 2.00	1.50 to 2.00
“ Ordinary.....	.75 to 1.00	.75 to 1.00
Cattleyas.....	20.00 to 25.00	20.00 to 25.00
Lilies.....	4.00 to 6.00	4.00 to 5.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 3.00
Chrysanthemums, Fan y.....	8.00 to 25.00	12.50 to 25.00
“ Ordinary.....	.....	3.00 to 8.00
Violets.....	.25 to .50	.20 to .40
Gardenias.....	12.00 to 25.00	12.00 to 25.00
Adiantum.....	.50 to 1.00	.50 to 1.00
Smilax.....	8.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings.....	20.00 to 35.00	20.00 to 35.00
“ & Spren. (too bchs.).....	12.00 to 25.00	20.00 to 25.00

### NEW YORK FLOWER MARKET.

Much as we should like to record an improvement in this market, we are obliged to say that we can see nothing at the present time to warrant such an announcement. The situation is complicated by the very large increase in daily product resulting from the unseasonable high temperature of the past week, which has driven in the crops of chrysanthemums at an unprecedented rate and shifted even the cattleya into the bargain counter class for the time being. The wholesale districts furnish, nevertheless, an interesting sight in these days of big things and low prices. Chrysanthemums are brought in boxes large enough to hold a man and whether they are carried away in wagons and autos or loaded on the shoulders of jubilant Greeks in such bulk as to even deafen them from transportation on the cars, they take lots of room and the street sides

walks and areaways are at times taxed to the limit of available space. Roses, lilies, carnations and other stock contribute their share to the deluge of color and fragrance which, with all its wealth of beauty, soon loses its attractiveness in the eyes of the man who is put to his wits' end to find a market for it. The political problems in which the great American voter is so deeply interested just at present seem "dead easy" when compared with the shrewd maneuvering and sagacity required to establish and maintain a market value on anything at such a time.

J. S. Fenrich and A. M. Henshaw, wholesale florists of New York, have joined interests and on Nov. 1st will open as Henshaw & Fenrich at 44 West 28th street, where Mr. Henshaw has been located hitherto. The new firm will be a strong one in ability and popularity.



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 23 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y. Plumosus Robustus Seeds.

For page see List of Advertisers.

Asparagus Plumosus Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

Asparagus roots. Argenteuil, raised on new land; good plants, 100—\$1.50. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

Asparagus plumosus Robustus, strong plants from 2-14 in. pots, \$3.00 per 100. Cash. W. S. Nichol, Barrington, R. I.

Asparagus, strong plants, 2-in. Plumosus Nanus, \$2.25; Sprengeri, \$2.00 per 100. Chas. Frost, Kenilworth, N. J.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.

Gloire De Lorraine.

For page see List of Advertisers.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2-14 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 83 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.

For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Dutch Bulbs and Florists' Supplies.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

Calla Bulbs.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit L. E. Williams, Nottingham, N. H.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co., White Marsh, Md.

For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Field Grown.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Field Grown Carnations.

For page see List of Advertisers.

CARNATIONS, field grown stock of Joost, May Naylor (white) and Flora Hill, good stock, at \$4.00 per 100; \$35.00 per 1000 to clear. Williams & Young, Norwalk, Conn.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.

For page see List of Advertisers.

Stock plants of Polly Rose, October Frost, Tousey, Ivory, Wanamaker, ready, \$3 per 100; Beatrice May, Virginia Poehlmann, Alice Roosevelt, Miriam Hankey, Intensity, Mad. Rosette, White and Yellow Bonnafton, \$1 per 100. Cash. Harloward Greenhouses, Greenport, N. Y.

## CHRYSANTHEMUMS—Continued

Chrysanthemum Golden Glow from 2-14 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucey Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Peirce Bros., Waltham, Mass.

Herrington's book on the Chrysanthemum, mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## COLD FRAME MATS

Wm. Elliott & Sons, 42 Vesey St., N. Y.

For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

## DECORATIVE EVERGREENS

The Kervan Co., 113 W. 28th St., N. Y.

For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

For page see List of Advertisers.

## ELECTRIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.

Automatic Hot Water Circulator.

For page see List of Advertisers.

## EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

For page see List of Advertisers.

Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

## FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.

Nephrolepis Whitman.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.

For page see List of Advertisers.

# For List of Advertisers See Page 561

**FERTILIZERS**

• Polverised Manure Co., 31 Union Stock Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Robert Simpson, Clifton, N. J.  
Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMullin, 194 Boylston St., Boston.  
For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.  
For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene Av., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Whilldin Pottery Co., Philadelphia.  
Standard Flower Pots.  
For page see List of Advertisers.

The Peters & Reed Pottery Co., Red pots, seed pans, etc.  
Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 33 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**GERANIUMS**

B. Vincent Jr. & Sons Co., White Marsh, Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
Sharp, Partridge & Co., 22d & Lumber St., Chicago.

For page see List of Advertisers.  
Parshelsky Bros., 59 Montrose Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.  
Peerless Glass Repair Clamp.  
For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.  
For page see List of Advertisers.

King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.

The Weathered Co., New York City.  
For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
Fancy Ferns.  
For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

Sweet Williams, Canterbury Bells, Vinca Minor. Also Pansies. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

All strong field plants or roots of the following kinds. Price per 100. No less than 20 of one kind at these prices: Anemone Jap. Whirlwind, \$4.50; Campanula Persicifolia, blue and white, \$3.50; Dianthus Plumarius, hardy pinks, \$3.50; Funkia Media Picta Var. \$3.50; Boccunia Cordata, \$2.50; Helianthemum Autumn. Sup. \$2.50; Oriental Poppies, six named sorts, \$4.00; Phlox in variety, \$2.50; Phlox Subulata, Rose and Lilac, clumps, \$3.50; Rudbeckia Newmanii and Sub. Tomentosa, \$2.00; Spiraea, Palmata Elegans, Ulmaria, Aurea, and Venusta, \$3.50; Eupatorium Ageratoides, \$2.50; Euphorbia Corollata, \$2.50; Helianthus Mollis Grand, Wooley Dodd and Decapetalus, \$2.50. German Iris in mixture, \$1.50. Palisades Nurseries, Sparkill, N. Y.

**In writing to Advertisers kindly mention Horticulture**

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierston U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 28th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.

Hydrangea Arborescens Grand. Alba.

For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stump & Walter Co., 50 Barclay St., New York.

Kilbdead Tobacco Dust.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, and \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

"The Black Stuff Fine Tobacco Powder"—Green flies, and black ones too, die on sight of the bag. 'Tis fine as flour, and made from the black strong tobacco; for dusting on foliage it has no equal. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

APHICIDE (nicotine paper) costs less per effectual fumigation than any other paper made. We guarantee this. We sell direct to the grower; the middleman's profit is placed in the nicotine strength of the paper. 24 sheets, each sheet 24 inches long, 65c. postpaid; 144 sheets, each sheet 24 inches long, \$3.50 express paid; 288 sheets, each sheet 24 inches long, \$6.50, express paid. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers.

**IRIS**

W. C. Beckert, North Side, Pittsburg, Pa.

Spanish Iris for Forcing.

For page see List of Advertisers.

Iris German Iris, purple fall, lavender standards, 50 for \$1.00, postpaid. H. Dewhurst, Route 3, Box 57, Petersburg, Va.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.

Single and Made-Up Specimens.

For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk, North Carolina.

For page see List of Advertisers.

**MASTICA**

F. O. Pierce Co., 12 W. Broadway, New York.

**MISTLETOE**

F. Cecil Barker & Co., Las Cruces, N. Mex.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.

For page see List of Advertisers.

**NEW RED HELENUM**

Frederic J. Rea, Norwood, Mass.

For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.

Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers

Carlman Ribsam, Trenton, N. J. California Privet, Shrubs, Roses, Vinca Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.

For page see List of Advertisers.

Red Rose Farms & Nurseries, G. C. Watson, Trustee, 830 Market St., Philadelphia.

Clearing Sale of Shrubbery.

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.

Norway and Sugar Maples.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.

For page see List of Advertisers.

TREES, SHRUBS, ROSES, EVER-GREENS, PEONIES, HARDY PLANTS. ELLWANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England. Importers, Exporters, Growers, Hybridists For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.

For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.

For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.

For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Augustus Zirngelbel, Needham, Mass.

For page see List of Advertisers.

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

Wm. Mathews, Utica, N. Y.

Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

Henry A. Dreer, 714 Chestnut St., Phila.

For page see List of Advertisers.

Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the best collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

Phlox Perennial. Three best whites in existence. Strong field plants of Madame Lingard and Mrs. E. E. Jenkins, \$40.00 per 1000, \$5.00 per 100, 75c. per doz. F. G. Von Lassburg, \$6.50 per 100, \$1.00 per doz. Pallsades Nurseries, Sparkill, N. Y.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago. For page see List of Advertisers.

PIPE AND FITTINGS. Cast iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.

For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

**PRIVET**

800,000 Cal. Privet, 2 years old, 2 1/2 to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Withhold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

**For List of Advertisers See Page 561**

**RETAIL FLORISTS—Continued**

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulklin, 194 Boylston St., Boston.  
For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**RHUBARB AND ASPARAGUS FOR FORCING**

Warren Shinn's Nurseries, Woodstown, New Jersey.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Grafted Roses. Own Roots.  
For page see List of Advertisers.

M. H. Walsh, Woods Hole, Mass.  
Rambler Roses for Forcing.  
For page see List of Advertisers.

Extra large 3 yr. Climbing, on own roots, Dorothy Perkins, Seven Sisters, Balt. Belle, Pink, White and Yellow Rambler, Queen Alexandra, \$9 per 100. Phil. and Crimson Rambler, and Prairie Queen, \$12. Mandas Triumph, Debutante, Jersey Beauty, \$7. Wagner Park Conservatories, Sidney, Ohio.

Low-budded roses, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Roses, strong, own root, 4 inch Chatenay, Killarney, Richmond and Maid, \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

T. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

**SEEDS—Continued**

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Cyclamen Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Richards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

O. V. Zengen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.

Brasilian Seed Growers Co., San Jose Cal  
Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SMILAX**

R. Vincent Jr. & Sons Co.,  
White Marsh, Md.

Morel Bros., 624 E. Market St.,  
Scranton, Pa.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

We have our large stock of fresh, clean, Sphagnum, Leaf Mould, Orchid and Rotted Peat. Can supply any amount wanted, best quality only, at reasonable prices. Write for samples and prices. American Moss & Peat Co., Box 6, Waretown, N. J.

We have a large stock of fresh gathered sphagnum. Sample bale shipped on request to prove the quality and quantity. The Ocean Co., Moss & Peat Co., No. 11, Waretown, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay,  
So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Ave., Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

**VENTILATING APPARATUS—Continued**

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1188 Broadway, N. Y.

**VERONICA**

Longifolia Subsessilis (Blue Jay Flower), the best of all hardy plants for cutting or bedding. Extra strong field clumps, \$6.50 per 100, \$1.00 per doz. First size field plants, \$5.50 per 100, 80c. per doz. Strong field plants, \$4.50 per 100, 60c. per doz., \$35.00 per 1000. Palisades Nurseries, Sparkill, N. Y.

**VINCA**

Vinca variegata, strong field-grown, \$3.25 per 100. Chas. Frost, Kenilworth, N. J.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Ujfalussy, 136-138 W. 28th St., New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS—Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

**New York**

J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.

Ford Bros., 48 W. 25th St., New York  
For page see List of Advertisers.

H. E. Froment, 57 W. 25th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

## Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

# "NICO-FUME"

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...  
**THE KENTUCKY TOBACCO PRODUCT CO.,** Louisville, Ky.

## LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

JUST NOTE PRICES!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



## THE WHILLDIN POTTERY COMPANY

THE LARGEST MANUFACTURERS OF  
**STANDARD FLOWER POTS**

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— New York — Continued

- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Phillip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 25th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.,  
For page see List of Advertisers.
- George Saltford, 43 W. 25th St., New York.  
For page see List of Advertisers.
- Frauk Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- B. S. Shinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.

### Philadelphia

- W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### Pittsburg

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

#### ALASKA AND HORSFORD PEA DELIVERIES.

Leonard Seed Co., Chicago, Ill.  
For page see List of Advertisers.

#### AZALEAS.

F. R. Pierson Co.,  
Tarrytown-on-Hudson, N. Y.  
For page see List of Advertisers.

#### BULBS, WATSONIA ARDERNEI.

H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

#### CHRYSANTHEMUMS.

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

#### INVITATION TO ANNIVERSARY.

H. M. Robinson Co., 15 Province St., Boston.  
For page see List of Advertisers.

#### NURSERY FOREMAN WANTED.

J. H. Troy, 24 E. 34th St., New York.  
For page see List of Advertisers.

#### ROSE NEWPORT FAIRY.

Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.

#### CATALOGUES RECEIVED.

George L. Allen, Lebanon, Oregon.—  
List of Peonies and Dahlias.

Iowa Floral Co., Des Moines, Ia.—  
Trade List of Floral Supplies. Wholesale only.

E. Y. Teas Co., Centerville, Ind.—  
Wholesale Price List of peonies, irises, hydrangeas, etc.

Wild Bros. Nursery Co., Sarcovie, Mo.—Catalogue of Fruit and Ornamental Trees, Peonies, etc.

Amor Heights Nurseries, Merchantville, N. J.—Select List of Hardy Perennials for Fall Planting.

Sluis & Groot, Enkhuizen, Holland.—  
Advanced Price List of Vegetable, Flower and Agricultural Seeds.

F. C. Heinemann, Erfurt, Germany.—  
Special Trade Offer of Novelties, 1909. A brilliant colored plate of flower and vegetable novelties accompanies the list.

P. J. Berckmans Co., Augusta, Ga.—  
Catalogue and planting manual of hardy and tender nursery stock grown at the Fruitland Nurseries. A com-

prehensive and well edited publication.

R. Vincent, Jr., & Sons Co., White Marsh, Md.—Wholesale Geranium Prices for 1909. A complete list and indispensable to the florist who wants to keep in the forefront with the most popular of all bedding plants.

#### SEND FOR A DIARY.

B. G. Pratt Company, New York, the manufacturers of Scalecide, are sending out to fruit and plant growers a diary and spray calendar, which is both useful and instructive.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 " " " 5.25	60 8 " " " 3.00
1500 2 1/2 " " " 6.00	
1000 3 " " " 5.00	<b>HAND MADE</b>
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
144 6 " " " 3.16	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **Hillinger Bros., Pottery, Fort Edward, N. Y.** August Reiker & Sons, Agts., 31 Barclay St., N. Y. City.

### Standard Flower . . POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.



## List of Advertisers

Page	Page
Advance, The Co.....563	McKellar Charles W.....552
American Nursery.....547	McKissick, W. E.....552
American Nursery Co.....547	McManus Jas.....554
Aschmann Godfrey.....535	Meyer J. C. & Co.....551
Atlanta Floral Co.....550	Mitchell H. F. Co.....561
Barker F. Cecil & Co.....555	Michigan Cut Flower
Bambrick Thos. H.....561	Exchange.....555
Barrows H. H. & Son.....535	Millang Bros.....554
Bassett & Washburn.....534	Millang Frank.....554
Bayersdorfer H. & Co.....551	Mitting, A.....549
Bay State Nurseries.....547	Moninger J. C.....563
Beaven E. A.....555	Moon Samuel C.....547
Beckert W. C.....548	Moore, Hentz & Nash.....554
Berning H. G.....555	Moore-Livingston Co.....551
Boddington A. T.....549	Morse C. C. & Co.....549
Boston Florist Letter	Murdoch J. B. & Co.....552
Co.....551	Murray Samuel.....555
Boston Plate and Win-	New England Nur-
dow Glass Co.....562	series.....547
Bostrom-Brady Mfg.	Niessen Leo. Co.....552
Co.....553	North Carolina Ever-
Breck Joseph & Sons.....549	green Co.....552
Breitmeyer's J. Sons.....550	Oechslin Frank.....535
Bridgeman's Seed	Ordenez Bros.....546
Warehouse.....549	Ouwkerk P.....547
Budlong J. A.....552	Palethorpe P. R. Co.....561
Burpee W. A. & Co.....549	Park Floral Co.....550
Carrillo & Baldwin.....546	Parshelsky Bros.....562
Castle Co.....562	Payne John A.....562
Chicago Carnation	Pennock-Meehan Co.....552
Co.....534	Perkins St. Nurseries.....535
Clarke's David, Sons.....550	Pierson, A. N.....545
Clary's Horticultural	Pierson F. R. Co.....546
Co.....548	Pierson U Bar Co.....564
Cotsonas Geo. & Co.....555	Poehlmann Bros. Co.....552
Cowee W. J.....555	Pratt B. G. Co.....561
Craig, Robt. Co.....534	Pulverized Manure Co.....548
Crawback Geo. W.....555	Quaker City Machine
Dingee & Conard Co.....547	Co.....563
Doane Geo. B. & Son.....563	Raynor John I.....554
Dorner F. Sons & Co.....534	Rea Frederic J.....536
Dreer H. A.....535	Reed & Keller.....555
Dunlop John H.....550	Reinberg Peter.....552
Dysart R. J.....551	Ribsam Carلمان.....547
Edwards Folding Box	Rice Bros.....552
Co.....552	Richardson Bros.....549
Elliott Wm & Sons.....548	Robinson H. M. & Co.....545
Elm City Nurs'g Co.....547	Rock Wm. L. Flo. Co.....553
Ester J. G.....563	Roehrs Julius Co.....546
Ernest W. H.....560	Roper Albert.....534
Eyres.....550	Roland, Thomas.....534
Farquhar R. & J. & Co.....548	Rolker August & Sons.....560
Fenrich J. S.....554	Rose Hill Nurseries.....535
Fiske, H. E. Seed Co.	Saltford Geo.....554
549-561	Sander & Son.....546
Foley Mfg. Co.....563	Schultheis Anton.....534
Ford Bros.....554	Schulz Jacob.....551
Froment H. E.....554	Scott, John.....535
Galvin Thos. F.....550	Sharp, Partridge & Co.....562
Greater N.Y. Florists'	Sheridan W. F.....554
Association.....555	Shinn's, Warren Nur-
Grey T. J. Co.....549	sey Stock.....546
Growers' Cut Flower	Siggers & Siggers.....563
Co.....554	Simpson Robt.....548
Gude Bros. Co.....550	Situations & Wants.....561
Guttman Alex. J.....554	Slinn B. S. Jr.....554
Hall Asso.....563	Smith Elmer D. & Co.....534
Hartmann Hjalmar &	Smyth Wm. J.....550
Co.....549	Standard Plate Glass
Hauswirth M. C. & J. E.....530	Co.....562
Heacock Joseph.....536	Stearns A. T. Lumber
Herbert David & Son.....536	Co.....563
Hews A. H. & Co.....560	Stump & Walter Co.....561
Hilfinger Bros.....560	Thorburn J. M. & Co.....549
Hill, The E. G. Co.....546	Totty Chas. H.....534
Hippard E.....562	Traendly & Schenck.....554
Hoffman.....551	Troy J. H.....547
Horan E. C.....554	Twomey D. J.....547
Houghton & Clark.....550	Valentine, J. A.....550
Hunt E. H.....561	Vincent R. Jr. & Sons.....534
Kentucky Tobacco	Walsh M. H.....534
Product Co.....560	Waterer John & Sons.....547
Kervan The Co.....555	Weathered Co.....564
Kessler, P. F.....554	Weber F. C.....550
King Cons. Co.....562	Welch Bros.....552
Klokner Alexander.....542	Weigel & Ujfalussy.....555
Kroeschell Bros. Co.....563	Whilldin Pottery Co.....560
Kuebler Wm. H.....555	Wilson.....550
Lager & Hurrell.....546	Winterson, E. F. Co.....552
Langjahr, Alfred H.....554	Witthold Geo. Co.....546
Leonard Seed Co.....548	Wood Bros.....534
Leuthy A. & Co.....535	Woodrow, Sam'l A.....555
Lord & Burnham Co.....564	Yokohama Nursery Co.....536
Lutton W. H.....563	Young A. L.....555
Manda Jos. A.....546	Young John.....555
MacMulkin E. A.....550	Young & Nugent.....550
Mathews Wm. F.....546	Zangen O. V.....549
McCarthy N. F. & Co.	Zinn Julius A.....550
551-555	Zirngibel A.....546
McConnell Alex.....550	Zvolanek A. C.....549

Is Your Name In The Above List? If Not, Why Not?

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## Help Wanted

**SALESMAN**—To travel on the road about 8 or 9 months each year, by a reliable, old established firm, importing plants, nursery stock, bulbs, etc. Experience and knowledge of the business absolutely necessary. Wages and expenses paid. Address with references, stating age, salary, experience, etc. D. B., care HORTICULTURE.

**WANTED**—Experienced and industrious young man to grow general stock for retail store, under supervision of foreman. Wages \$60 a month. Address W., care HORTICULTURE, Boston.

**HORTICULTURE** needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

## SITUATIONS WANTED

**WANTED SITUATION**—As forester or park foreman. Good references. Address B., care HORTICULTURE, 11 Hamilton Place, Boston.

## FOR SALE

**FOR SALE**—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

\$7200 will buy three greenhouses, two acres and a house. Thirty minutes from Thirty-fourth Street ferry. Call or write to John Josinsky, 120 East 5th Street, New York City.

## October Already!

Fall Business Will Be Just What YOU Make it. We have room for your Advertisement. Anything from Cent a Word in Buyers Directory to a Double Page Announcement. If you want Fall Business Get Busy NOW.

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

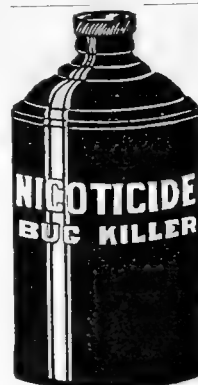
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

## DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

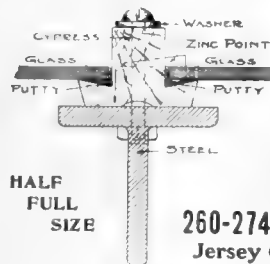
STUMPP & WALTER CO.  
50 Barclay St., New York



## The "T" Bar Curved Eave Greenhouse

Is absolutely Dripless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed—all steel inside, all wood outside.

### Greenhouses of Every Type



**JOHN  
A.  
PAYNE**

Greenhouse  
Designer and  
Builder

260-274 Culver Ave.  
Jersey City, N. J.

### GREENHOUSES BUILDING OR CONTEMPLATED.

Perry, O.—Henry Orcutt, one house  
Whately, Mass.—J. H. Pease, additions.

Lowell, Mass.—Swanson & Dillgren, 30x200.

Reading, Pa.—Irwin H. Anderson, additions.

Roslindale, Mass.—E. Borowski, house 10x100.

Holliston, Mass.—Miss F. J. Hayes, improvements.

Jamestown, R. I.—Samuel Smith, conservatory.

Newport, R. I.—Arthur Curtis James, range of houses.

Greenfield, Mass.—Green River Cemetery Association, house 32x85.

Reinbeck, Ia.—John McCullough & Son, house 22x100.

Cleveland, O.—I. Warncke & Son, additions and improvements.

Madison, N. J.—A. H. & W. S. Schultz, two rose houses, each 20x300.

Richmond, Ind.—G. R. Gause, three houses, equipped with the Evans ventilator

### PATENTS GRANTED.

900,784. Seed Planter. Benjamin F. Robinson, Camp Hill, Ala.

900,822. Soil Pulverizer. Stephen D. Reum, Cleveland, Ohio.

901,078. Method of Treating Soil. Porfirio Diaz, Mexico, Mexico.

901,123. Fertilizer Distributer. John C. Pope and William J. Pope, Plano, Ill.

901,137. Plant Marker. Leland Willis, Grenloch, N. J., assignor to Bateman Manufacturing Company, Grenloch, N. J.

## BOSTON PLATE & WINDOW GLASS CO. GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

# The CASTLE SPECIALTIES

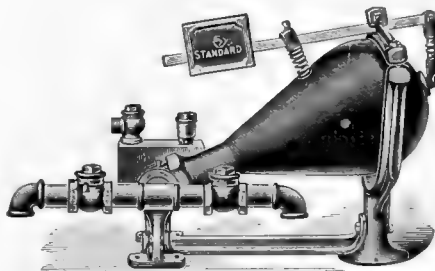
For full description of the **AUTOMATIC CIRCULATOR** and the **CASTLE TUBE AND PIPE COUPLING** for Steam or Hot Water, see issue of **HORTICULTURE** for September 26. The Coupler is the simplest device for repairing a defective pipe and makes at once a **Flexible Expansion Joint**. Sample Couplers forwarded at 50c each.

## THE CASTLE COMPANY

Heating Engineers

170 Summer St., Boston

## THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

## GREENHOUSE GLASS

JOBBERS AND DEALERS IN

## Plate and Window Glass

Write for Our Prices

## PARSHELSKY BROS.

59 Montrose Ave., BROOKLYN, N. Y.

## PEERLESS REPAIR CLAMP

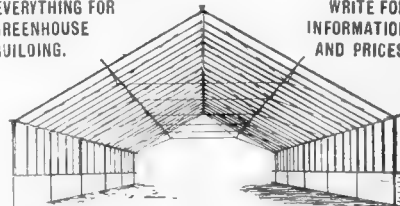


MADE OF ZINC

TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY  
For sale by jobbers. Box of 150 for \$1.00, C. O. D. or by express  
A. KLOKNER, Wauwatosa, Wis.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves—  
Trussed Roofs Ventilating Machinery.  
Trussed Iron Frame Houses.

Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

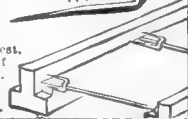
## Holds Glass Firmly

See the Point & **PEERLESS**

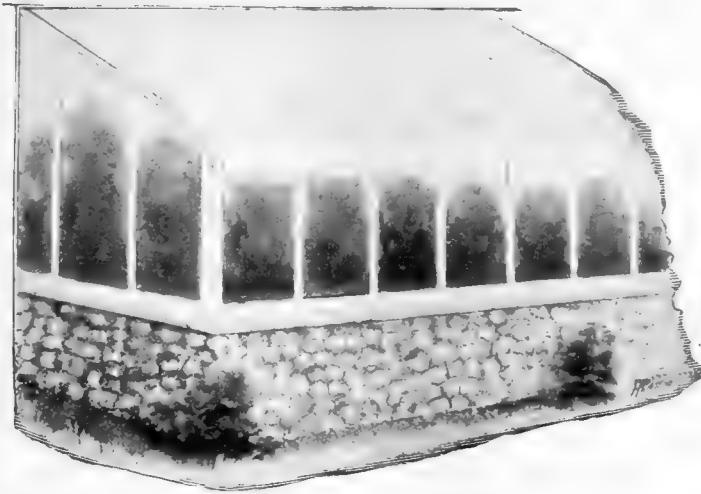
Glazing Points are the best.  
No rights or lefts. Box of  
100 points 75 cts. postpaid.

**HENRY A. DEER**,  
714 Chestnut St., Phila., Pa.

FULL SIZE  
No 2



Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
**HORTICULTURE.**



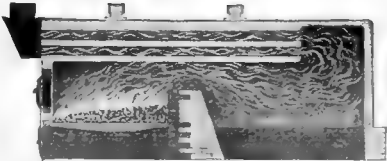
### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Why not try a machine that is much better, lighter running, easier erected and cheaper than what you are using. Ours is very simple, neat, strong, self-oiling, self-locking, and is sold at one price to all. By giving the best of service, it makes friends of our customers and they help in making other sales. That is why we are growing so rapidly and have our machines at work in 40 states. Get our estimates and give us a trial.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

### HOT BED SASH

PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."

## GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

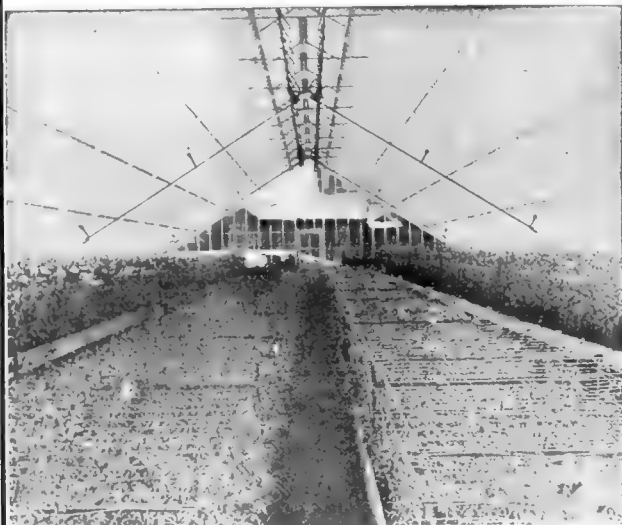
Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free catalogue to  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

**The FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address  
**John G. Esler, Sec'y, Saddle River, N.J.**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

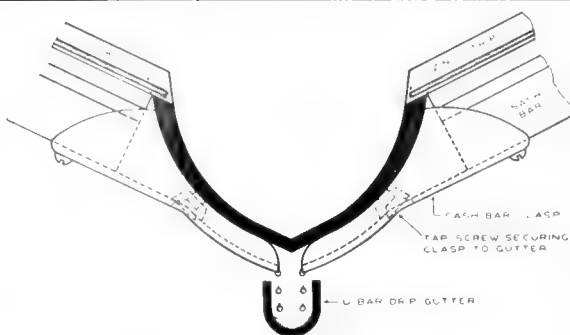
BY THE

### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.



### GUTTER No. 1750

Here is a cross section of our 6 inch "V" Gutter showing how the sash bar clasps are extended at the lower end to carry all roof condensation to the U-Bar drip gutter and how securely these clasps are fastened to the sides of main gutter.

Because of the gutter's shape, a very small amount of water will start running at once.

It is cast by the same special process employed in our other gutters which insures it being tough and straight.

See page 11 of our Handy Hand Book. Can fill order at once.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## SNOW—THE U-BAR—ITS CURVED EAVES

Accurate, scientific measurements of plant growth in greenhouses prove that the first few hours after it is light in the morning, the plants grow more than during all the rest of the day—think what that means when a gutter or plate backs up the snow and ice during the night and shades your plants those first hours. The U-Bar roof clears itself entirely of snow—it is always a clean sweep from ridge to foundation. Photo was taken in Canada just after a heavy fall of snow. The ideal construction for private estates, parks, institutions and florists' show rooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. OCTOBER 31, 1908 No. 18



THE COLISEUM, CHICAGO  
Where the National Flower Show Will Be Held

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*



# GERANIUMS

We have an immense stock ready for immediate shipment from 2 inch pots

## NEWER VARIETIES — Special Merit

Double

	Doz.	100
Admiral Jones	\$1.00	\$6.00
Anais Segalis	1.00	4.00
Col. Thomas	1.00	4.00
Dagata	1.00	6.00
Dr. Philippe Tissie	1.00	6.00
General Saussier	1.00	6.00
Jean Obacle	1.00	4.00
Jean Violette	1.00	6.00
Jules Vassour	1.00	4.00
Leon Baudrier	1.00	4.00
Leopold Bouille	1.00	4.00
Madame Laporte Bisquit	1.00	6.00
Monsieur Emile David	1.00	6.00
Ornella	1.00	4.00
Pres. Baillet	1.00	6.00
Rene Bazin	1.00	6.00
Reve d'Ossian	1.00	6.00
Roi Edouard	1.00	4.00

## STANDARD VARIETIES

Double

	Doz.	100
Alphonse Ricard	\$0.40	\$2.00
Berthe de Presilly	.50	3.00
Centaure	.40	2.00
Cousin Janie	.50	3.00
Double Dryden	.50	3.00
E. H. Trego	.50	3.00
Fleuve Blanc	.50	3.00
General Grant	.40	2.00
La Pilote	.40	2.00
M. Anastole Roscœur	.50	3.00
Marquise de Castellane	.50	3.00
Miss Kendall	.40	2.00
Mme. Buchner	.40	2.00
Mme. Canovas	.50	3.00
Mrs. Lawrence	.50	3.00
Peter Henderson	.50	3.00
S. A. Nutt	.40	2.00
Thos. Meehan	.50	3.00

Visitors cordially invited.

Cash with order.

**R. VINCENT JR. & SONS CO.,** - White Marsh, Md.

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER,** Tewkesbury, Mass.

## NEW RED CARNATION

## O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

Rooted Cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 500, 35.00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.**

## CARNATIONS

Winona, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

**F. DORNER & SONS CO.**  
La Fayette, Ind.

## ANDREW CARNEGIE SCARLET HARLOWARDEN

FINE PLANTS

\$12.00 per 100, \$100.00 per 1000

**CHICAGO CARNATION CO.**

A. T. PYFER, Mgr. JOLIET, ILL.

## ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## CHAS. H. TOTTY

## Chrysanthemums

**MADISON, N. J.**

**Gloire de Lorraine Begonia**

2 1/4 inch pots, \$15.00 per 100  
\$140.00 per 1000

**Thomas Roland,**  
Nahant, Mass.

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS**  
COLLEGE POINT, NEW YORK

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
**HORTICULTURE.**

## Troy's WANT Corner

### WANTED

Nursery foreman for a 240 acre farm in Westchester Co., New York, to start nursery business.

Write giving full particulars to

**J. H. TROY,**

24 East 34th St., NEW YORK CITY.

## EVERGREENS

Norway Spruce, 3-4, 4-5, 5-6, 6-7 ft.  
White Spruce, 3-4, 4-5, and 5-6 ft.  
Balsam Fir, 3-4, 4-5, 5-6 and 6-7 ft.  
Concolor Fir, 3-4, 4-5, 5-6, 6-7, 7-8 ft.  
White Pine, 4-5, 5-6 and 6-7 ft.

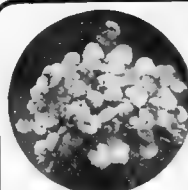
And 109 other varieties.—All Sizes.

## HERBACEOUS PERENNIALS

Phlox, Iris, Pæonias, and nearly 1000 other species and varieties.

Tell us your wants. Estimates cheerfully given. Ask for catalog.

**The New England Nurseries, Inc.**  
BEDFORD, MASS.



## HYDRANGEA

(Arborescens)

### GRAND. ALBA

A taking novelty for

### FORCING

Strong field-grown 15 inch and up \$15 per 100, \$140 per 1000. 10 to 15 inch \$10 per 100, \$90 per 1000.

New Forcing and Garden Hydrangea.

The Elm City Nurs. Co.  
NEW HAVEN, CONN.

## ROSES

A SPECIALTY

**The Dingee & Conard Co.** West Grove PA.

## EXTRA QUALITY Bride and Maid

Large and clean, \$3 per 100, \$25 per 1000.  
3 in. splendid stock, \$4 per 100, \$40 per 1000.

**The E. G. HILL CO.,** Richmond, Ind.

## NURSERY STOCK

Norway and Sugar Maples, 3 to 6 inch caliper. Beeches in variety, 6 to 16 feet. Viburnum t. mentosum and plicatum. Forsythias, Deutzias, Altheas and other shrubs 4 to 8 feet. Ask for wholesale list of ornamental nursery stock in large assortment.

## SAMUEL C. MOON

Morrisville Nursery.

MORRISVILLE, PA.

## BARGAINS in TREES and PLANTS

Concord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

# PEONIES

**Special Prices for  
Immediate Delivery**

We offer for immediate delivery the following select list of **HARDY HERBACEOUS PEONIES**, of which we have an exceptionally large stock of our own growing, strictly true to description; all in strong divisions, with from 3 to 5 eyes each.

Note reduction in price of many of the higher class varieties compared to former offers.

	Per doz.	100	1000
<b>Alba Plena</b> —A useful white cut flower variety.....	\$1.50	\$10.00	\$90.00
<b>Andre Lauries</b> —A fine tyrian rose; late.....	.85	6.00	50.00
<b>Alex. Verschaffelt</b> —Bright reddish violet; tipped white.....	2.00	15.00	
<b>Amabilis Lilacina</b> —Pale lilac white, changing to pure white.....	.85	6.00	50.00
<b>Baroness Rothschild</b> —Violet rose, with lighter shadings.....	1.25	8.00	75.00
<b>Bicolor</b> —Violet rose, with white center.....	.85	6.00	50.00
<b>Chrysanthemiflora Rosea</b> —A fine large deep rose-pink, with paler shadings in the center; early.....	.85	6.00	50.00
<b>Duc de Uzès</b> —Guard petals tyrian rose, center soft rose-pink. A beautifully formed flower.....	1.25	8.00	75.00
<b>Duchesse de Nemours</b> —An extra fine large pure white.....	3.50	25.00	
<b>Delachet</b> —Brilliant crimson maroon; late.....	1.50	10.00	90.00
<b>Festiva Maxima</b> —Pure white, center petals occasionally tipped red. This is the very large white variety, the most popular for cut flowers.....	2.00	15.00	140.00
<b>Festiva Alba</b> —Popular white for cutting.....	1.50	10.00	90.00
<b>Floral Treasure</b> —Clear pink; fragrant.....	2.50	20.00	
<b>Grandiflora Alba</b> —Large pure white, with creamy white center.....	2.00	15.00	
<b>Grandiflora Rosea</b> —Bright rosy carmine, large and double.....	2.50	20.00	
<b>Grandiflora Rubra</b> —Deep crimson carmine, large and full.....	1.75	12.00	
<b>Humei Rosea</b> —Beautiful pale rose, flowers of immense size; late.....	1.50	0.00	90.00
<b>Lady Bramwell</b> —A beautiful silvery rose of large size and fine form.....	1.50	10.00	90.00
<b>Louis Van Houtte</b> —Brilliant crimson maroon of good size.....	1.50	10.00	90.00
<b>Ne Plus Ultra</b> —Violet rose guard petals, mauve rose center.....	1.00	7.00	60.00
<b>Pottsi Rosea</b> —Light Solferino red, with lighter center. A medium-sized but well built flower.....	1.50	10.00	90.00
<b>Prolifera Bicolor</b> —Fresh white with amber yellow center.....	1.25	8.00	75.00
<b>Psyche</b> —Bright violet rose, with lighter center.....	.85	6.00	50.00
<b>Rosea Superba</b> —Fine silvery rose of large size.....	1.25	8.00	75.00
<b>Reine des Roses</b> —Soft violet rose, large double flower.....	2.00	15.00	
<b>Rosea Elegans</b> —Guard petals silvery rose, creamy white center suffused with rose; a fine large flower.....	1.25	8.00	75.00
<b>Victoire Tricolore</b> —Guard petals delicate lilac rose, center light salmon yellow.....	1.25	8.00	75.00
<b>Victoire Modeste</b> —Bright lilac rose, with full center of amber white.....	1.50	10.00	90.00
<b>Whitley Plena</b> —A fine early white.....	1.50	10.00	90.00
<b>Zoe Calot</b> —White, suffused with delicate rose.....	1.50	10.00	90.00



**Peonies in Mixture**

	Per doz.	100	1000
<b>Double White</b> (mixed sorts).....	\$0.85	\$6.00	\$50.00
<b>Double Pink</b> (mixed sorts).....	.75	5.00	40.00
<b>Double Red</b> (mixed sorts).....	.85	6.00	50.00
<b>Double Mixed</b> (all colors).....	.75	5.00	40.00
<b>Single Mixed</b> (all colors).....	1.25	8.00	75.00
<b>Single Pink</b> (mixed sorts).....	.85	6.00	50.00

## Peonies, Early Flowering

	Per doz.	100
<b>Officinalis</b> (Mutabilis) <b>Alba</b> —Blush white.....	\$1.50	\$10.00
<b>Officinalis</b> (Mutabilis) <b>Rosea</b> —Soft pink.....	1.50	10.00
<b>Officinalis Rubra</b> —Crimson.....	1.00	7.00
<b>Tenuifolia flore plena</b> —Crimson.....	3.00	22.50

For a complete list of Hardy Plants suitable for fall planting, including our specialties, Phlox, Iris, Tritomas, Anemones, etc., see our Fall catalogue. If you have not received a copy, write for same.

**HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.**

## BARGAINS

in KENTIAS and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengeri.

### SMALL FERNS

for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

**GODFREY ASCHMANN**

1012 West Ontario St., Phila., Pa.

## FERNS FOR DISHES

**Assorted Varieties**  
From 2-in. pots, \$3.50 per 100;  
\$30.00 per 1000.

**Primroses, Chinese**—Nice assortment of colors. Strong Plants from 3 1/2 in. pots, \$6.00 per 100.

**Primula Obconica**, Fine stock, 2 1/2 in. pots, \$3.00 per 100.

**Cash with Order.**

**FRANK OECHSLIN,** 2670-2606 W. Adams Street, CHICAGO  
Formerly Garfield Park Flower Co.

## PALMS AND FERNS DECORATIVE PLANTS

**JOHN SCOTT**  
Rutland Road and E. 45th St.  
Tel. 2890 Bedford **BROOKLYN, N.Y.**

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

## Established 40 Years Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

**A. N. PIERSON, Inc.**  
**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms and Ferns

**OUR SPECIALTIES.** Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

**Prices Quoted in these Columns are for Dealers Only. When Writing to Advertisers Please Mention HORTICULTURE.**



## Rocky Mountain Rambles

### II.

In the Rocky Mountains are few goldenrods, those flowers which are the glory of our autumnal landscape in Iowa and the Mississippi valley. They are, however, replaced by several species of Bigelovia or "Rayless Goldenrod" which often form a conspicuous feature of the landscape at 6,000 and 7,000 feet altitude. There are comparatively few of the asters which are so abundant in Iowa and Wisconsin, but they are largely replaced by the fleabane (*Erigeron*) which is common in the woods and on the plains. The species of this genus found in this region are numerous and difficult to name except by one who has made a careful study of them. They occur from the plains to the timber line. The landscape has an especially somber aspect where the trees are absent because of the peculiar gray foliage of the sage brush, Bigelovias and many other plants of this region. One is interested in the thistles which abound in this country. In the open places around Laramie and other high places in eastern Wyoming and Colorado, a yellow-flowered thistle (*Cirsium Nelsoni*) holds sway. Were it not for the very spiny character of the leaves, this would be a most beautiful plant to cultivate. Many larkspurs occur in this region: on the high planes east of Laramie, a blue-flowered species (*Delphinium Geyeri*) much like the southern *D. tricornis* is abundant. In the woods and at higher altitudes larger species occur but the flowers are not so pretty. The western aconite (*Aconitum Columbianum*) is common in swamps and along brooks at high altitudes. The larkspurs and aconites are frequently reported as poisonous by the stockmen of the region.

The alpine flora is most interesting to the botanist. The alpine gardens with meadow grasses, hair grasses, dwarf fleabanes, dwarf clovers, avenas and primroses abound. These plants bloom simultaneously and give a beautiful aspect to the meadow. A little search in these gardens may reveal a small willow but a few inches in height which displays its tiny catkins above the grasses and other flowers. The Pasque Flower which in Iowa was in bloom in April was just beginning to flower in the middle of June in Colorado at an altitude of 11,000 feet. It is the same species which blooms earlier on the plains.

Many of the most interesting features of the mountains are the conifers which everywhere above 5000 feet begin to appear. At lower altitudes is the Bull Pine (*Pinus scopulorum*), along the streams south of Den-

ver, the Black Fir (*Abies concolor*), occasionally the White Pine (*P. flexilis*) and Colorado Blue Spruce (*Picea pungens*); at higher altitudes and covering thousands of acres is the Lodge Pole Pine (*P. Murrayana*) the most useful pine of the region, because it covers such large areas. It is an important factor in holding the moisture which later is released in the form of springs.

One of the most beautiful of the Rocky Mountain conifers is the Douglas Fir (*Pseudotsuga Douglasii*) which occurs, at times, closely massed, at others in scattered groups. The Subalpine fir (*Abies subalpina*) occurs on the slopes of hills or in the canons. It is a beautiful tree that has adapted itself to a wide range of territory and is well worth cultivating. The Pinon Pine (*P. edulis*) covers large areas between 5,000-7,000 feet south of Colorado Springs; it is a tree of little commercial value but makes good firewood and the seeds are largely collected by squirrels. It is interesting to watch the squirrels open the cones and take out the seeds.

The deciduous trees are not numerous; the larger ones occur in the canons in which the Cottonwood, as it is called, but more properly Balsam Poplar (*Populus angustifolia*) often forms dense copses. The only widely scattered tree in the region is the Quaking Aspen (*Populus tremuloides*). Not much use is made of it but there is no reason why it should not be used in the manufacture of wood pulp. Other deciduous trees are the birch (*Betula occidentalis*) but the species is confined to the streams. The western Hard Maple (*Acer grandidentatum*) covers large areas in parts of Utah, and is an important factor in conservation of moisture in the soil. In Utah, the dwarf white oak is abundant, forming large copses. The soil is generally quite dry where this species occurs.

Ames, Ia.

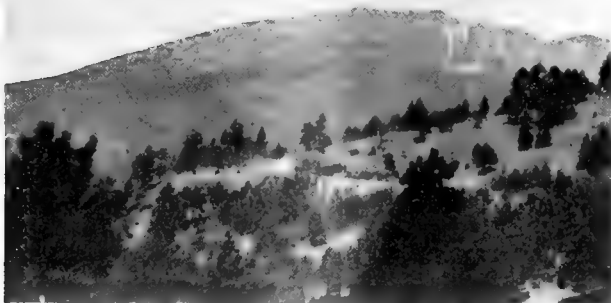
L. A. Samuel

## Tree Talks

### II.

#### HOW FOREST GROWTHS CONSERVE SOIL AND WATER

Where there are forests, the soil is constantly improving and increasing. The roots penetrate deeply into the ground, which lets in the air to produce its slow but sure result, the radicals decompose the grains of sand and extract from them some of the elements essential to the soil; they drink in the moisture and the carbonic acid which is brought down from the atmosphere above the surface, and, from the elements acted on by frost, heat, light and air in the leaves, and by that unknown influence, vegetable life, are composed the venous substances which compose the plant, while the annual deposit of leaves and finally the decay of branches go to make a soil on which other plants thrive. The soil thus formed is kept by the twist-mat of roots from washing away. When snow or rain falls in a country covered by forests it is retained by the deep spongy mats formed by the roots and assimilated deposits of leaves, and, instead of rushing down as it otherwise would in torrents, carrying with it large quantities of soil, the leaves and roots protect it from rapid evaporation, and it remains laid up as in a reservoir, trickling gradually out and forming perennial streams, which water the



MT. OURAY, MARSHALL PASS  
Lodge Pole Pines in Foreground

country through the longest and driest summer, moderating the droughts by mists of heavy dews. All along the coast of New England numerous streams, which were formerly fed by the forests, and often rolled a volume of water sufficient to turn a mill through the summer, before the forests were cut away, are now dried up at that season and form only a drain for the melting snows of spring or heavy rains of autumn. In Piper's "Trees of America" he says that within a half mile of his residence (Woburn, Mass.) there is a pond upon which mills have been standing for a long time, dating back to the first settlement of the town. These had been in constant operation until some thirty years ago, when the supply of water began to fail. This pond owes its existence to a stream in the hills some miles to the south of the town. Within the time mentioned, these hills, which were covered with a dense forest, had been cut off, and, to the wonder and loss of the mill owners, the water in the pond failed, except in seasons of freshets, and, what was never heard of before, the stream itself became entirely dry. Within ten years a new growth has sprung up on most of the land formerly occupied by the old forests, and now water runs through the year notwithstanding great droughts.

#### PAYING THE PENALTY

This wholesale destruction of the forests, no doubt, lessens our water supply more and more every year. When land is cleared of trees and burnt over, as it usually is, the evaporation is very rapid, even with continuous rains. Anyone can verify this by going into the woods (if they can find any) a week or more after the cleared land has become comparatively dry. The soil and atmosphere of the woods is humid and moist, and the ground still wet and full of water, if you dig down. I would not say that the destruction of the forests lessens the rainfall, but the evaporation is so rapid that we do not receive the benefits of the moisture in an open country that we would in one well covered with forests. Storms are generally less severe in a wooded country than in an open one, the force of the heavy gales is broken by the woods, while on the western prairies, where there are few or no trees, the gales sweep with great fury, carrying destruction with them on every side. Almost everyone who cultivates early vegetables or fruit knows the value of having a heavy belt of evergreen trees on the north and west of these farms; and many who buy open farms plant, as one of the first operations, shelter belts of trees in proper positions. No one would think of placing their early hot beds in an open field without some shelter, either natural or artificial. If they did it would necessitate double the labor to obtain the same results they would get in a sheltered position.

As a sanitary measure forests are one of the best preventives of malaria. In the Everglades of Florida, the pine forest of North Carolina, and other places which are heavily wooded, malaria is unknown, and one can even sleep out in the forests without fear of that disease, but as soon as the settler chops down large tracts of lumber, the tropical sun, acting on masses of decaying vegetable matter, fills the air with the germs of disease, the carbonic acid which was consumed by the trees is inhaled by the people and the result is malaria.

#### AN UNAPPRECIATED BLESSING.

The benefits, pleasures and comforts arising from trees are so great, aside from their commercial value, that one would naturally think that man would need no urging to protect them, but I am sorry to say that the majority would rather cut a tree down than plant one. And notwithstanding all that has been said and written on the subject, there seems to be but little response. The Massachusetts Society for the Promotion of Agri-

culture offers valuable prizes for plantations of trees, but meets with little success, although I believe that a North Andover gentleman lately took one of the premiums.

This subject of tree planting and caring for our forests is a serious one, and should command the careful attention of every thinking man who holds the welfare of his State at heart. It has been delayed too long, and it is time that the people's eyes were opened to the necessity of planting, preserving and caring for the forests, or the coming generations will find themselves not only short of both wood and lumber, but inhabiting a country where life is hardly worth the living.

*Jackson Dawson*

## Early Flowering Chrysanthemums

In a recent issue of the Florists' Review there appeared a few notes on early flowering chrysanthemums, from the pen of the "American Wells," i. e., Chas. H. Totty. Personally I was much interested in Mr. Totty's notes. Having visited Merstham myself some years ago I can very well believe that the earlies made a most inspiring show there this season.

One paragraph in particular in Mr. Totty's article took my eye, namely, "I do not see why they ('earlies') should not be largely planted as border plants to flower outside when the early frosts have caught many of the tender bedding plants." Now that is a question which was put to Mr. Totty in Horticultural Hall a year ago last July by a member of the Gardeners' and Florists' Club of Boston. During the discussion which followed Mr. Totty, if my memory serves me right, condemned the English early-flowering chrysanthemums as being absolutely unfit for use in America. His exact words if I remember correctly, were, "I have given all the best varieties an extended trial and with the exception of a few of the Pompon varieties, have not found any which will stand the extreme heat of an American summer."

I have pondered over Mr. Totty's statement for some considerable time, and now I am going to ask him to give us something more definite on this subject, because, I am sure he will admit that his words in Boston a year ago last July, and his notes in the Review a few weeks back, were if anything a trifle contradictory.

Personally, I think there are few chrysanthemums more useful or more profitable to grow than the English early-flowering section. Yet it is very rarely that one ever sees them grown in this country either by commercial growers, or by private gardeners. This in itself is strange when we remember that they come into flower at a time when flowers for cutting and house decoration are very scarce. Certainly a good batch of them grown in eight-inch pots, with their glorious tints and colors would prove a welcome addition and preface to the chrysanthemum season proper. They have a most charming effect when grouped among other plants, and where large quantities of cut flowers, and especially the white sorts, are required the early bush chrysanthemum will be found indispensable. Mr. Totty, I am sure, will pardon me when I say that their usefulness for gardeners and florists in this country is already assured, and their beautiful free flowering and bushy habit will justly ensure them a prominent position in both private and commercial establishments.

For pot work, we find the best time to put in the cuttings is about the second week in February. When



the cuttings are nicely rooted, they should be potted singly into three-inch pots and then kept near the glass to prevent them from being drawn. About the beginning of April we shift them into six-inch pots where they remain until potted into their flowering pots early in June. To secure a good bushy plant, pinching should continue until the end of June when they should be stopped for the last time. If at all possible they should be grown outdoors until the buds begin to show, when they may be removed under glass. For pot culture the following list contains, I believe, the cream of the early flowering section:

Carrie, deep yellow; Crawford, white; Crimson Marie Masse, a beautiful deep bronze; Fee Japonaise, white, shaded rose; Goacher's Crimson, a very bright crimson, does best disbudded; Horace Martin, bright yellow; Mdm. Marie Masse, lilac mauve, one of the best; Maggie, canary yellow, very dwarf; Mdm. Casimer Perrier, creamy white, shaded pink, makes a perfect pot plant; Louis Lemaire, bronze, best disbudded; Mytchett White, a beautiful flower, very early; Robbie Burns, rosy cerise, very fine; White Quintus, the most profitable market white grown, an indispensable sort for the florist; Sally, light pink; Tangiers, reddish orange, a lovely shade; Ralph Curtis, pure white; Mrs. Baird, peach pink; Ryecroft Glory, golden yellow, a fine pot plant.

*Wm. W. Brown*  
 North Easton,  
 Mass.

## Fertilizers

### THE NATURE OF CRYSTALLINE WATER-SOLUBLE FERTILIZERS.

Before we knew as much of science as we do today it was supposed that animals and plants, being endowed with that incomprehensible mystery termed life, must perforce be very different from the mineral or "dead" world. This is true but not to the extent often imagined. There is no sharp line between these: no man may say, "This is dead," or "This is alive," at least not in the case of the simpler forms of life. But it is glaringly evident that the "live" world with its plants and animals is infinitely the more complex, and yet the mineral world commonly considered comparatively simple, is not without its vast uncharted depths.

Vegetable life chemically considered has much to do with a certain substance, carbon, which, at once so rare in the mineral world while so plenteous and important in plants or animals, becomes a loose criterion between these two great classes. Chemists call carbon-containing things, organic; without this element, inorganic, in which class are most of the soluble fertilizers of today, one exception being the new cyanamide.

One of the star attractions in the mineral tent is the curious and common process known as crystallization, a most interesting and important branch of chemistry and well worth our attention here, even if it is a science by itself, as shown in such a fascinating way in the cabinet of the mineralogist, who knows something about it too.

We may dissolve of a soluble salt like copper sulphate (blue vitriol) or a soluble plant food only so much in water according to the substance and the temperature, and no more. The reverse process may be gone through by boiling off some water or cooling it at some point known in advance: the crystals will form much as they existed before they were dissolved. The copper sulphate will be blue and every crystal will be of the

proper shape, color and, note this—of exact composition.

These two marvels of crystallization—*form* and *composition*—are of wide application to the manufacture of soluble fertilizers and indeed all "salts," as chemical combinations of acids and alkalies are called, as are also most soluble fertilizers.

Owing to grinding, the form of the crystals is not usually seen but what is invisible and of the greatest importance is the *composition*. A pure crystal has always a certain fixed proportion of elements; if sulfate of ammonia always so much ammonia, always so much sulphate—no more, no less,—invariable. Why then, you ask, are not all salts of the same composition? Because the removal of the pure crystals from the solution is not always inexpensive and when the solution is evaporated impurities outside the crystal are gathered up too. Absolutely pure articles may be made by recrystallizations as is often done with powerful drugs, but is too costly ordinarily, especially as many impurities are not only harmless but may be even beneficial. We are trying to explain why commercial chemicals are not usually pure, and that the purchaser should care mostly about the amount of the material he wants in the chemical purchased, and the price paid should be in exact proportion to this and *not* to the *degree* of *purity*, if the impurity is innocuous.

Now let us consider this a moment more. Knowing that these crystals have an unvarying composition and knowing the per cent. impurity we are yet enabled to calculate exactly how much of each ingredient is in there. If we know Nitrate of Soda is 95 per cent. we may at once calculate how much Nitrogen is present unless the impurity had some Nitrogen, which is highly improbable.

Along with the shape and composition of the crystal is included its "water of crystallization," as it is called. In the case of Copper Sulphate there are always 5 "waters" which would make about a third water, but note, this is no adulteration; in fact *lack* of *water* would be a falsification, for pure crystals would have all this water. For most purposes, however, the copper is what is most desired and if the crystals look whitish some of the water has gone and the buyer is getting more copper for his money.

Of the list below of soluble crystalline chemicals we will note the water usually found in sodium acid phosphate is half the whole crystal, and in buying this chemical this should be taken into consideration and the actual phosphate present should be asked for. The other chemicals mentioned have no water except sometimes Kainit. Of course this water of crystallization may be dried off but in the case of the phosphate this makes such changes that the result can hardly be called soluble.

Commercial soluble chemicals for fertilizers, all white dry crystals if pure, and made on commercial scale:

*Nitrogen-carrying:* Nitrate of Soda, Ammonium Sulphate, Nitrate of Potash, Ammonium Phosphate, Ammonium Nitrate.

*Phosphorus-carrying:* Sodium Acid Phosphate, Mono-Ammonium Phosphate, Potassium Phosphate.

*Potash-carrying:* Sulphate of Potash, Carbonate of Potash, Kainit (Impure mixed with Magnesium, if pure would be Chlorid of Potash), Phosphate of Potash.

We hardly need to add that all these are not of equal value, chemically or from the horticultural point of view, of which we have more to say later.

*Rudley M. Bray*

# HORTICULTURE

VOL. VIII

OCTOBER 31, 1908

NO. 18

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

Page

COVER ILLUSTRATION—The Coliseum, Chicago.	
ROCKY MOUNTAIN RAMBLES—L. H. Pammel—Illustrated	569
TREE TALKS—Jackson Dawson	569
EARLY FLOWERING CHRYSANTHEMUMS—Wm. McM. Brown	570
FERTILIZERS—Dudley M. Pray	571
NEWS OF THE CLUBS AND SOCIETIES:	
National Chrysanthemum Society—Chrysanthemum Society of America—Minnesota State Florists' Association—Boston Co-operative Flower Growers' Association—Club and Society Notes	574
Spokane Interstate Fair—Illustrated	575
Coming Events	576
OBITUARY:	
George J. Evans—Mrs. George Yantz—Mrs. Mary E. Johnston—Gilbert Rogers—Gustav Harrison	579
OF INTEREST TO RETAIL FLORISTS:	
Berry Globes—Robert Kift—Illustrated	582
New Retail Flower Stores	583
FLOWER MARKET REPORTS:	
Baltimore, Boston, Chicago, Louisville, Philadelphia, Twin Cities, Washington	585
New York	587
MISCELLANEOUS:	
Local Exhibitions	575
Washington Chrysanthemum Shows	576
Zinnia Red Riding Hood	576
Chrysanthemum Indiana	576
A Pittsburgh Show Place—Jas. Hutchinson	576
Philadelphia Notes	577
News Notes	577-8
Cypripedium Actaeus Bianca—Illustrated	577
An Exaggerated Report—G. C. W.	577
A Serviceable Tree Stand—Illustrated	578
A Great Retail Florist Establishment—Illustrated	578
Publications Received	580
Catalogues Received	580
Chicago Plant Notes	581
Plant Imports	581
New Steamship Line from Japan	581
Business Changes	583
Personal	585
A New Chicago Enterprise	592
Greenhouses Building or Contemplated	594
Patents Granted	594
Incorporated	594

declare the rates demanded by these companies for the transportation of goods between Boston and the cities and towns within a radius of fifty miles to be "excessive and unreasonable." The railroad commissioners in their report give adequate reasons for their decision. The territory within fifty miles of the State House in Boston contains three million inhabitants. The American Express Company, which is not a corporation but a form of partnership, has absorbed within twenty-five years the express business of about twenty corporations, firms and individuals doing business in Massachusetts and also controls the National Express Company. It appears that the gross amount invested in the conduct of the business of the two companies in Massachusetts is only about \$600,000, more than half of which is invested in stables and the major portion of the balance in horses and wagons. Little, if any credit is extended and the risk involved in the conduct of the business is small.

Just what action the express monopoly will take in the face of this verdict is not yet apparent. Unfortunately the State Board is not invested with the power to name and compel a rate which

they believe to be just and reasonable as is the case with the Interstate Commerce Commission, but that power can be given by the people and probably will be if the warning is ignored. In the face of such a powerful monopoly the individual who feels their oppression stands little show for redress if he goes it alone, but the power of organized protest cannot be over-estimated and with the example of what was accomplished in the name of the Society of American Florists last year the florists of Massachusetts who have been complaining of the excessive transportation rates they have had to pay to get their product to market need not throw up their hands and stand helpless while they have clubs and societies whose business it is to take aggressive action on these things which so vitally concern their members.

Let no one take the foolish position which some selfishly blind S. A. F. members assumed at the time of the tussle with the United States Express Company, to wit,

that these abuses are only local and it is no part of the outsider's business to concern himself so long as it is "not his ox that is gored." Depend upon it every shipper in every section under the domination of any one of the big companies is slated for his share of the imposition in due time if the initial efforts are allowed to slide through unopposed. How closely the affairs and operations of all the companies are interwoven may perhaps be better understood after reading the following extract from a recent statement by the New York Public Service Commission:

"It appears that the Adams Express Company holds \$906,000 of the \$10,000,000 of stock issued by the United

Express charges "excessive and unreasonable" Massachusetts railroad commissioners find no justification for the increase of rates by the American and National express companies in February last, and

States Express Company. The American Express Company has holdings in the National Express Company of \$484,600 out of a total issue of \$500,000; in the United States Express Company, \$1,000,000 out of a total of \$10,000,000, or just 10 per cent; in the Westcott Express Company \$143,600 out of a total of \$150,000 preferred stock and \$497,650 out of a total of \$500,000 of common stock. It also appears that the Southern Express Company owns \$70,000 of stock in the United States Express Company, as well as \$111,800 of the \$12,000,000 in stock issued by the Adams Express Company, and also \$118,500 out of the \$18,000,000 of stock issued by the American Express Company. The president of the Adams Express Company, Levi C. Weir, and the president of the American Express Company, James C. Fargo, are directors in the United States Express Company, of which Senator Platt is president."

Considering these facts and in the light of recent experiences in various sections of the country is it not a reasonable proposition that the legislative committee of a trade organization stands second to no other department in importance today?

#### OPPORTUNITY

##### Destiny

vs.

##### Perseverance

Master of human destinies am I;  
Fame, love and fortune on my footsteps wait;

Cities and fields I walk; I penetrate  
Deserts and seas remote, and passing by  
Hovel and mart and palace, soon or late  
I knock unbidden once at every gate.  
If sleeping, wake; if feasting, rise before  
I turn away; it is the hour of fate  
And those who follow me reach every state  
Mortals desire, and conquer every foe  
Save death; while those who doubt or hesitate,  
Seek me in vain, and uselessly implore;  
I answer not, and I return no more.

—John J. Ingalls.

#### THE "ONE-CHANCE" IDEA

You look about and everywhere you're pretty sure to see  
Some weak-kneed men just plumb knocked out by that  
"one-chance" idee,

They missed it at the very start, and all their lives since  
then,

They've set around a-tellin' of the things they might have  
been.

I don't believe an all-round man who wants to travel far  
Will stay at home for ever 'cause he missed the first  
through-car.

It ain't the way real men should do, for 'cordin' to my text,  
"If one good chance gets by you, why, you ought to grab  
the next."—London Report.

Here are two views of life and its chances. It is not improbable that during the past year of uncertainty and apprehension many a one who reads these lines has been moved to think very seriously on the perplexities of the situation as it presented itself to him individually and to wonder whether, after all, any chance remained for him in the unequal struggle against hard times and bad luck. Forget it all and practice the invincible art of "keeping everlastingly at it." By the time the next issue of HORTICULTURE appears election will be past. No matter who wins there is no reason to doubt that our 80,000,000 enterprising and industrious people will continue on their prosperous way. Beyond a doubt the opportunities ahead are just as good and abundant as they have ever been in the past so get after your share. To the faint-hearted we commend the following verses which our hustling florist friend, John F.

Rupp of Shiremanstown, Pa., is sending out with his correspondence:

There's only one method of meeting life's test—  
Just keep on astringing and hope for the best;  
Don't give up the game and retire in dismay  
If hammers are thrown when you'd like a bouquet.

This world would be tiresome, we'd all get the blues,  
If all the folks in it held just the same views:  
So finish your work, show the best of your skill—  
Some folks will not like it, but other folks will.

If leading an army or building a fence  
Do all that you can with your own common sense.  
One word of kind praise in this journey of tears  
Outweighs in the balance a cart-load of sneers.

The plants that we're passing as commonplace weeds  
Oft prove to be just what some sufferer needs.  
So keep on agoing, don't ever stand still—  
Some folks will not like you, but other folks will.



Do you make a practice of looking over that unique department of Horticulture's advertising section—The Buyers' Directory and Ready Reference Guide?

There's lots of business done through the medium of those useful pages carefully compiled every week for the convenience of the busy man. Not only are to be found there the offers of those dealers who use that department alone but also those of every advertiser represented in the display advertisements. This weekly tabulation is maintained without cost to our advertisers for their benefit and that of our readers and its advantages are shared by every one whom the paper reaches. Don't fail to peruse it. It is a "clearing house" in which the best firms in the trade are always represented.



How about your employees and friends in the trade whom you wish to remember kindly at the Holidays now approaching? Useful gifts are universally favored. Do you know of anything you can give them at the cost of a dollar that will do them better service the whole year through than a paid subscription to HORTICULTURE? The country is teeming with horticulturists of every persuasion who subscribe to no trade paper. The aggregate circulation of all the trade papers together does not half cover the number entitled to receive them. We give a liberal commission on new names sent in by a subscriber. What do you say?

# NEWS OF THE CLUBS AND SOCIETIES.

## NATIONAL CHRYSANTHEMUM SOCIETY.

### Early Flowering Show.

On the 7th and 8th of October last the above society held its first show of the season at the Crystal Palace, Sydenham. The schedule was a comprehensive one, allowing for all kinds of exhibits in the early flowering section of the chrysanthemum, and there were also some grand exhibits of Michaelmas daisies and dahlias.

In the table decoration classes there were 16 exhibits. Vases and baskets of chrysanthemums arranged for artistic effect were numerous, and, generally speaking, displayed considerable taste. The competitive classes were well filled and some fine specimen blooms were shown. We specially noted Mrs. A. T. Miller, a grand white Japanese, Miss Alice Byron, Mrs. G. Mileham, Mrs. R. Hooper Pearson, Sapho, Mrs. W. Knox (one of the finest of yellows), Bessie Godfrey, Beatrice May, Valerie Greenham and a few others of the large early-flowering Japanese.

Trade exhibits, not for competition, were a feature of the show. W. Wells & Co. had a grand group 133 feet long composed of a semi-circular group in the middle with a long table wing on each head. A gold medal was awarded. Among the chrysanthemums the single, were quite numerous. Pentstemons and Michaelmas daisies helped to enliven the group.

T. S. Ware & Co. had a gold medal for a fine lot of dahlias and early chrysanthemums, arranged in pyramids and snout vases. Cactus and peony-flowered dahlias were in fine form, and innumerable. Another gold medal went to Norman Lavis for a lovely display of Michaelmas daisies and early chrysanthemums arranged on the round level in the most artistic and snappy group.

Hobbs & Limited, also received a gold medal for roses, dahlias and Michaelmas daisies. All the well-known peony-flowered dahlias were represented in the group and made a very bold effect.

W. J. Godfrey showed early varieties and some new seedling chrysanthemums. Philip Ladds & Co. had a pretty foliage group enlivened with chrysanthemums in pots. Estine Reed, an October decorative variety.

A silver gilt medal was awarded to H. J. Jones for a most conspicuous and comprehensive display of Michaelmas daisies with a front edging of early chrysanthemums. J. Cheal & Sons had a new lot of early single and pompon dahlias, with a selection of early chrysanthemums. A silver gilt medal was awarded to them.

John Jones & Sons had a fine and dramatic and then the dahlias in profusion. The silver gilt medal was awarded to John Jones & Sons for a very fine and dramatic exhibit of single specimens in vases. They also showed a pretty group of chrysanthemums arranged with ferns and other plants in pots. Messrs. Spooner & Sons had brightly colored fruits that brought the exhibitors a silver gilt medal.

The Floral Committee awarded first-class certificates for the following chrysanthemums: Master James (Jap), Mrs. J. Kempley and Kathleen Lambrick (both early Japs), Shanklin (Jap), Nelly Riding (Single), October Gold (Decorative), Fee Parisienne and Provence (Decoratives). Single dahlia Betty also had a certificate.

C. HARMAN PAYNE.

## CHRYSANTHEMUM SOCIETY OF AMERICA.

### Work of Committees.

Cincinnati, Oct. 16th. Fee Orientale. Cream white. Jap. ref. Exhibited by E. G. Hill Co. Scored 81 points commercial scale.

Cincinnati, Oct. 24th. (No name.) light pink. Jap. Exhibited by Paul O. Taner, Lebanon, Ind. Scored 82 points commercial scale.

Cincinnati, Oct. 24th. G. W. Pook. Terra cotta red. Inc. Jap. Exhibited by Elmer D. Smith. Scored 83 points exhibition scale.

Cincinnati, Oct. 24th. Rose Pocket. Buff yellow. Jap. Ref. Exhibited by Elmer D. Smith. Scored 85 points exhibition scale.

Cincinnati, Oct. 24th. No. 58-2-06 White. Jap. Inc. Exhibited by Elmer D. Smith. Scored 88 points commercial and 90 points exhibition scale.

DAVID FRASER, S.

## MINNESOTA STATE FLORISTS' ASSOCIATION.

The Minnesota State Florists' Association met in Columbia Hall, Midway, Oct. 20, with about twenty members present. Among the features of the evening were exhibitions of chrysanthemums, C. Tousey, Virginia Pochmann and Monrovia, shown by Lakewood Cemetery greenhouses of Minneapolis. Some nice White Enchantress and Schroeter carnations were also shown. The Minneapolis Park Board greenhouses exhibited fine specimens of hybrid streptocarpus and Saintpaulia ionantha and Saintpaulia atroviolacea.

Plans were discussed for a better system of judging at the State Fair and flower shows. A committee of judges was appointed to have charge of the exhibits at the meetings and to perfect a scale of points for use.

This has been made a state organization and promises to be of considerable value to those in the trade.

The judges for the year, as appointed by the president, are as follows: A. S. Swanson, chairman; J. Souden, J. P. Jorgenson, O. Will, Th. Naeel, L. Boeglin, A. M. Kilsman, Frank Gustafson, O. J. Olsen, and A. J. Smith.

Mr. Smith, from Lakewood County, will read a paper on Chrysanthemums at the next meeting. J. P. Jorgenson, is to submit a report of the National Flower Show, as well as of the doings of Twin City representatives at the next meeting.

## BOSTON CO-OPERATIVE FLOWER GROWERS' ASSOCIATION.

The banquet season has begun, and from now on until Lent sets in the tillers of the soil and manipulators of its products should wax strong and fat if they take advantage of all the feasts provided in the meantime for their special benefit. The annual banquet of the stockholders of the Boston Co-operative Flower Growers' Association, commonly known as the "Park Street Market," held on last Saturday evening at Young's Hotel, was a success as a curtain raiser, and from oysters down to cigars was "all to the good." President Stickel presided at the function for the 'steenth time and welcomed with beaming cordiality the array of about forty distinguished ornamental horticulturists lined up against the long table, the principal adornment of which was a vase of big blooms of Boston's pet debutante of the season—White Killarney Rose. After getting the best of the swell dinner set before them, a sociable hour was spent in listening to the spellbinders, the list of the orators including stockholders W. H. Elliott, Alex. Montgomery, Thos. Pegler, Wm. Nicholson, A. Christensen and H. L. Cameron and "representatives of the trade press" W. N. Craig, J. W. Duncan and W. J. Stewart.

Then came the annual business meeting and election of officers. The financial statement for the year showed a very prosperous condition, with cash on hand, \$6,837.59, as compared with \$6,702.18 one year ago.

A dividend of \$5.00 per share was ordered.

Officers were elected as follows: W. C. Stickel, president; Wm. Nicholson, vice-president; George Cartwright, secretary and treasurer. The old board of directors was re-elected with Thomas Pegler to fill the vacancy caused by the death of W. W. Edgar.

## GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

There was a well-attended meeting of the Gardeners' and Florists' Club held on the evening of the 26th. The subject for the evening was the reading of a paper on Soils by Thomas H. White, gardener at the Maryland Agricultural College. The point brought out was that—in an experiment conducted at the college—chrysanthemums on the same soil for several successive years were in every point, except being three inches shorter in the stem, equal to those grown in fresh soil. Specimen flowers from the various plots were exhibited.

The moot question whether sterilizing soil is injurious to the fertility of the soil or otherwise was fully discussed, no conclusion being reached.

Fred J. Bauer, of Govans, who has been ill, was in his accustomed place at the meeting, although not fully recovered.

## CLUB AND SOCIETY NOTES.

The Kentucky Society of Florists will have nomination of officers at its next meeting in Louisville, and every member should be there. Notices will be sent out.

A talk on "Science in Horticulture" by a distinguished gentleman is on the program for the November meeting of the Gardeners' and Florists' Club of Boston.

San Rafael, Cal.—H. Schiffer of the Laurel Grove Nursery was the winner of a silver cup for group of decorative plants, at the flower show of the Marin County Horticultural Society.

At a meeting of the Connecticut Horticultural Society at Hartford on Oct. 23 the committee in charge of the dahlia show reported a balance over expenses. A fine display for the chrysanthemum show on Nov. 5 and 6 is promised. A. J. Webber displayed 300 pansy blossoms from seed planted July 15.

The Menlo Park Horticultural Society opened its fifth annual show at Redwood City, Calif. on Oct. 17, in the Alhambra Theatre. Among the exhibitors were J. B. Coryell, Lynch Nurseries, S. E. Slade, Gorhtzain Bros., C. N. Felton, Timothy Hopkins and many others from Burlingame and San Mateo.

The Bloomington Florists' Club (Ill.) held its annual meeting at the store of A. Washburn & Sons on Oct. 8 and elected the following officers: President, F. L. Washburn; vice-president, A. R. Knowles; secretary and treasurer, Joseph Knowles. Meetings will not be held regularly each month as was the custom last year.

The Elberon Horticultural Society, N. J., met on Oct. 19 and elected officers as follows: President, Anthony Bauer; vice-president, R. R. Hughes; secretary, Adam Worth; treasurer, James Kennedy. This meeting closed the competition for points during the past season. James Knowles was first and took the Rickards cup and Anthony Bauer took the A. Grieb cup.

The annual meeting of the New Hampshire Horticultural Society was held at Milford on Oct. 20. Interesting addresses showing the financial value of the apple crop if properly cared for, the necessity of carefully spraying, etc., were listened to by a good-sized audience. Officers were elected as follows: President, C. G. Shaw, Milford; vice-president, J. T. Harvey; Pittsfield; secretary, E. D. Sanderson, Durham; treasurer, T. E. Hunt, Lakeport.

#### LOCAL EXHIBITIONS.

Hartford, Conn.—At Elizabeth Park the display of chrysanthemums promises to be very extensive by November 1.

Berlin, Conn.—A. A. Weldon is one of the earliest here to make a display of chrysanthemums and it is attracting much attention.

Tacoma, Wash.—Harrington Bros. on Vashon Island are making a gorgeous showing of chrysanthemums. There are a large number of commercial greenhouses on this island.

Paterson, N. J.—Supt. McCollum at Eastside park formally opened his houses to the public on October 22, and will continue the exhibition of chrysanthemums as long as the blooms hold good.

#### SPOKANE INTERSTATE FAIR.



#### O. G. FRANCE'S EXHIBIT.

Winner of Chief Prize at Spokane Interstate Fair.

More and better fruit was displayed in the various district, county and individual exhibits at the Spokane Interstate Fair, Oct. 5 to 10, than ever before in the history of the organization. E. L. Stewart, president of the Washington Horticultural Association, was superintendent, and was assisted by H. L. Edwards, an experienced fruit grower, and they arranged the exhibits so that every box and plate of fruit showed to advantage. As a result a majority of the 110,000 persons attending the fair during the week visited the exhibits.

O. G. France of Wenatchee, Wash., carried off two of the most envied honors in the competitions, winning the \$250 prize for the best display of green fruit made by any county, district or individual, also the \$150 prize for the best 10 boxes of commercial winter apples. In the first contest were displays by practically every fruit-growing county in the Inland Empire, while in the second there were eight entries, each of which would arouse interest in any apple belt in the country. The entries in the competition for the 10 best boxes were all so nearly of equal quality that the task of judging them was a difficult one.

Other prizes were awarded as follows: Second prize, \$200, R. A. Jones of the Riverside nurseries, Spokane, whose farm is six miles north of the city; third prize, \$150, to the Yakima County Horticultural Union; fourth prize, \$100, to the Hazelwood Company, 16 miles west of Spokane; and fifth prize, \$50, to Stevens county.

The display of R. A. Jones, like that of Mr. France, included a wide variety of fruits, the chief feature, of course, being the apples. Mr. Jones also displayed a large variety of excellent garden vegetables.

The other prizes for the best 10 boxes of commercial winter apples were awarded as follows: Second prize, \$75, to J. R. Hill of Pasco, Wash.; third prize, \$50, to S. Gatten of Mead, and fourth prize, \$25, to Wright Brothers of Chelan.

The prizes for taste and design in arrangement were awarded as follows: First prize, \$80, to Stevens county; second prize, \$65, to R. A. Jones, Spokane; third prize, \$50, to the Railway Land and Improvement Company; fourth prize, \$35, to Chelan county, and fifth prize, \$20, to Benton county. Of the 15 prizes in the three contests, therefore, five go to Chelan county, three being won by Mr. Jones, one by Mr. Wright and one by the county exhibit.

J. R. Hill, who won the second prize in the best 10 boxes contest, showed in addition to the 10 boxes entered by him in that contest, a large display of commercially packed apples from his Columbia river orchard and a number of boxes of pears, the whole making a display which, while not coming exactly in line of any of the big prizes, would be hard to beat.

Another display of exceptional merit was made by Okanogan county. The exhibit, like several of the others, consists chiefly of apples and was probably brought the greatest distance to the fair of any large exhibit in the department. Another display of merit through an oversight not entered in the competition, was that of J. E. Bowen of Hunters, Wash. It consisted chiefly of plate apples, there being 100 plates representing some nine varieties besides a number of plates of pears and other fruit raised on a Columbia river ranch. The fruit in the Bowen exhibit is highly colored and of exceptional uniform size.

Stevens county growers made a good showing. In addition to the apples and green fruits they showed vegetables, grains and grasses. The Hazelwood farms also made a fine display of high grade fruits. An attractive display in the fruit and vegetable department was made of Kelly's garden of Spokane. This included growing plants in boxes, among them tomato, celery, lettuce and other garden vegetables, a few potted flowering plants and two thrifty looking tobacco plants. A small exhibit of apples, which, al-



though outclassed by the big displays from the more generally recognized apple growing districts, made a showing, was made by Mansfield Bros. of Endicott. It consisted of a half-dozen varieties of apples. A card announced that the fruit was grown in a district where there has not been rain enough since last spring to wet the ground for an inch below the surface.

There were numerous other exhibits, among them a display of grapes and byproducts by Robert Schleicher of Lewiston, Idaho, which won the first prize in that class. Other prizes were won by the Yakima County Horticultural Union, the Hazelwood farms, Wright Brothers, Chelan, Wash.; Cheney Horticultural Society, Benton County, Wash.; S. Gatten, Mead, Wash.; Commercial Club, Sandpoint, Idaho, and Vineland, Wash.

#### WASHINGTON CHRYSANTHEMUM SHOWS.

The two chrysanthemum shows which are on the tapis this week are (barring the election) the principal topics of conversation. The one at the Propagating Gardens comprises entirely the single-stemmed varieties. There are twelve hundred plants and more than four hundred varieties and very few are under ten feet in height. Considering the extremely hot weather for this season of the year the blooms are in a wonderfully fine condition. This exhibit closes on the 30th.

The exhibit at the Agricultural Department is of a more varied nature, comprising both Pompons and the Japanese variety. The former were in magnificent profusion, among them being a good many seedlings, some of 1908. The one plant which seemed to attract especial attention by its originality was an English importation, "What Ho," of the thread variety and of a bright canary yellow.

#### ZINNIA RED RIDING HOOD.

This is the most refined and perfect little gem we have yet seen in zinnias. The flowers are about an inch in diameter, deep crimson, perfectly double, showing no stamens in centre. Excellent substance and fine form. Grows about 12 inches in height and makes a first-class edging or line subject, also is excellent for cutting. Zinnias as a rule lack grace and finish, but Red Riding Hood is a notable exception. As soon growing in the Dreer trial grounds it is one of the noteworthy attractions and calls forth encomiums from every visitor. G. C. W.

#### CHRYSANTHEMUM INDIANA.

The creamy white seedling chrysanthemum which received honorable mention at the recent meeting of the Gardeners' and Florists' Club of Boston has been given the name of Indiana by the joint introductors, The Chas. Knopf Floral Co., of Richmond, Ind., and S. J. Rorer & Son, Westely, R. I. It will be again exhibited at the National Flower Show in Chicago.

Baton Rouge, La.—Director Dodson and Horticulturist Burnette, of the State University Experiment Station, are preparing plans for a new building, of the Capitol grounds, in accordance with a report made by the House.

#### COMING EVENTS.

St. Louis, Mo.—St. Louis Horticultural Society, Nov. 3, 6.

Hartford, Conn.—Connecticut Horticultural Society, chrysanthemum show, Nov. 3, 4, 5, Unity Hall.

Shreveport, La.—State Fair, November 3, 4, 5.

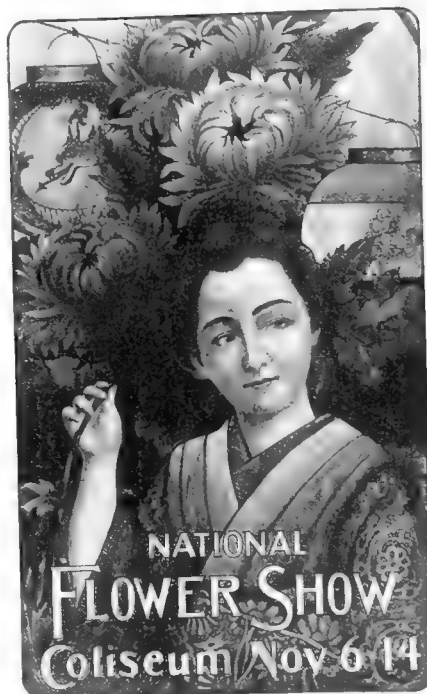
Worcester, Mass.—Worcester County Horticultural Society, annual meeting, Nov. 4; chrysanthemum show, Nov. 12.

Red Bank, N. J.—Monmouth Horticultural Society and Elberon Horticultural Society, joint chrysanthemum show, Nov. 4, 5.

Tarrytown, N. Y.—Horticultural Society, show, Nov. 4, 5, 6.

Glen Cove, N. Y.—Nassau County Horticultural Society, show, Nov. 5, 6.

Elmira, N. Y.—Civic Improvement League and Horticultural Society, chrysanthemum show, Nov. 5, 6, 7, Women's Federation Building.



Chicago, Ill.—National Flower Show, Society of American Florists, Nov. 6-14.

Boston, Mass.—Massachusetts Horticultural Society, Chrysanthemum show, Nov. 6, 7, 8, 9.

New Haven, Conn.—New Haven County Horticultural Society, show Nov. 10, 11, 12.

Philadelphia, Pa.—Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

Toronto, Ont.—Ontario Horticultural Society, exhibition, Nov. 10-14.

Little Rock, Ark.—State Floral Society, show, Nov. 10-25.

Lake Geneva, Wis.—Gardeners' and Foremen's Association, chrysanthemum exhibition, Nov. 11, 12.

Providence, R. I.—R. I. Horticultural Society, Nov. 11, 12, fall exhibition.

New York, N. Y.—American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building. Horticultural Society of New York, annual exhibition, Nov. 17, 18, 19.

Denison, Texas—Denison Civic Improvement League, show, November 11, 12, 13.

New Orleans, La.—N. O. Horticultural Society, chrysanthemum and flower show, Nov. 12, 13, 14, 15.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

Pittsburg, Pa.—The National Municipal League and the American Civic Association, annual meeting, November 17-20.

Baltimore, Md.—Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

Spokane, Wash.—National Apple Show Association, Dec. 7-12.

Indianapolis, Ind.—American Carnation Society, Jan. 27, 28, 1909.

#### A PITTSBURGH SHOW PLACE.

The beautiful conservatories of A. R. Peacock were opened to the public Oct. 21st. The exhibit here this year is considered by the many visitors to be the best yet. The chrysanthemums, although late struck stock, are quite up to, if not above, the standard of previous years.

Supt. T. P. Jenkinson is more than pleased and in future intends to depend almost entirely upon late struck stock, which, he claims, is not only much easier to grow, but is also very much easier to arrange, the lowering of the stages not being necessary. Some very fine flowers of Harrison Dick, Pres. Viger, Gleneven, Mr. J. Dunn, Ethel Fitzroy, Valerie-Greenham, Mrs. Brooks, and Beatrice May are amongst the best. While the chrysanthemums form the greater portion of the exhibit, in some compartments the side benches are devoted to fine specimen plants of cyclamens, Begonia Gloire de Lorraine and Primula obconica intermixed with schizanthus, celosia, Lilium Harrisii and other seasonable subjects.

The stove house is particularly attractive with foliage plants. A charming effect is produced in one compartment by a fine arrangement of Cattleya labiata, Odontoglossum grande, Oncidium varicosum, lily of the valley, Lilium Harrisii and adiantums.

Mr. Jenkinson is always striving after novelties in the subjects for his exhibits and in the form of arrangement, and usually evolves some scheme by which his display, instead of being a repetition of former exhibits or of those seen elsewhere, is always an exposition of the best that cultural skill can produce combined with artistic taste in arrangement.

Mr. Jenkinson gave us a courteous guidance over the rose, carnation and propagating sections. The roses are nice clean, healthy plants, for Pittsburg, and the carnations are as fine a batch of Enchantress, Lawson, Winsor and Nelson Fisher as could be seen anywhere.

J. HUTCHINSON.

The New England Nurseries, Bedford, Mass., have made plans and specifications for the improving of the grounds of the Crosby Estate at Edgartown, and a part of the work has already been carried out. The house on this estate is over 200 years old and the treatment of the grounds will be in keeping with the place.

## PHILADELPHIA NOTES.

William Graham is now associated with the Graham Floral Co., located at 5615 Germantown avenue and at the Mergenthaler Greenhouses near by.

Frank Polites has completed improvements at his new branch at 13th and Chestnut streets. This will be good news to the growers. They need more outlets and whenever a new flower shop opens they are glad.

A. E. Wohler, Merion, in commenting on the mild fall weather under date of Oct. 26th, says: "We have German iris in full bloom—the variety *falcata*, the only one so far; the rest are on the way. Hoopes, Bro. & Thomas' *Wichuraiana* hybrids are also blooming."

Joseph A. Waxman and Charles A. Kipnis have opened a flower store at 903 Market street under the title of "The Ideal Flower Shop," with branches at 913 Market street, Hotel Vendig, and 1223 Market street. Both gentlemen have had good experience in the business.

Improvements under way at Michell's new "Tower Hall" Seed House, 518 Market street, Philadelphia, are fast approaching completion. Two new bulk windows of the latest design are already finished. One shows a handsome array of bulbs, the other a display of mushroom spawn. A new maple floor has been put in and two large electric freight and one electric passenger elevator are now ready for use. A new feature is the large bulk show windows in the rear on Ludlow street, making a very attractive entrance and show place for patrons who may wish to enter from Chestnut street.

## NEWS NOTES.

St. Charles, Ill.—Henry Swaby has recently started in the florist business.

Milwaukee, Wis.—Fire damaged the greenhouse of W. Getzin to the extent of \$7,000 on October 16.

Lynn, Mass.—Henry C. Chase and Thomas H. Jones are to open an office in the Item Building for forestry work. Both young men are graduates of Massachusetts Agricultural College.

News from Japan indicates that Multiflorum lilies have turned out short in spite of the fact that orders had decreased this year. Especially large sizes are short and some of the New York importers are substituting Giganteums in their place. Large-sized bamboo canes have also been advanced in price in Japan.



HORSESHOE  
BRAND

**SELECTED  
GIGANTEUM**

READY FOR IMMEDIATE  
DELIVERY

**Ralph M. Ward & Co.**  
12 B'way New York

# FINE 4-INCH POINSETTIAS

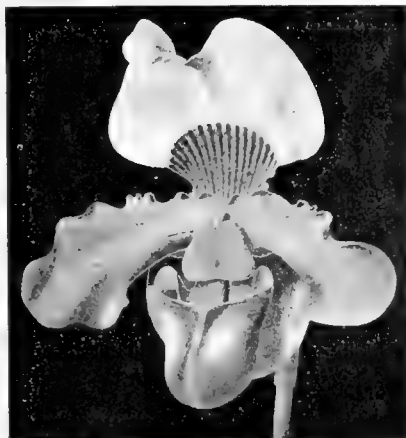
\$7.00 per 100; \$60.00 per 1000.

2 1-2 inch, nice, short stock, just right for Xmas pans,  
\$5 00 per 100; \$45.00 per 1000.

**THE E. G. HILL CO., Richmond, Ind.**

## CYPRIPEDIUM ACTAEUS BIANCA.

This variety gained a First-Class Certificate when exhibited by Lt.-Col. Holford, C.I.E., C.V.O., at the last meeting of the Royal Horticultural Society. The bloom is of much beauty, and is considered to surpass even the handsome *C. insigne* *Sanderæ*, which



formed one of the parents, the other being *C. leeanum* *Prospero*. The general color is pale yellow, of a smooth and shining surface. The upper sepal is very broad, the major portion of its surface being white; the basal part is a yellowish-green color, it may be added that the plant was exhibited as *C. bianca* *superba*—*Gardeners' Chronicle*.

## AN EXAGGERATED REPORT.

The secretary of the Baltimore Florists' Club intimates that G. Watson has gone to seed. What good is seed unless planted? It will not sprout else. G. W. objects to being planted yet a while. He feels pretty fit. If there are any lions, tigers or elephants that need slaying around Baltimore, a wire or 'phone will bring the mighty hunter down there inside of two hours. The big game in the vicinity of Philadelphia has taken to cover for the present, and any new diversion elsewhere would be welcomed. G. W. feels very much like Mark Twain when some one told him his death had been reported in the paper. He thought the report had been "greatly exaggerated." Being in the seed business is quite a different thing from going to seed personally. You might as well say a man was an archangel because he sold Archangel tar. On the contrary if you ask the editor of HORTICULTURE he will tell you that he has to sit constantly on the safety valve of "the Ginger jar" to prevent explosions. G. C. W.

# ORCHIDS

Largest Importers, Exporters, Growers  
and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
NEW YORK CITY

# IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerules*, *Cattleya Trianae*,  
*Cattleya gigas* *Sanderiana*, *Cattleya*  
*Schroederæ*, *Oncidium varicosum*.

**JULIUS ROEHRS CO., Rutherford N. J.**

# ORCHIDS

Fresh shipments arrived in superb condition  
*Cattleya gigas* (True Hardyana type).  
*Cattleya Schroederæ* *C. Trianae*, *C. Trianae* *Tropayan* var. *Laelia ligbyana*, *Oncidium*  
*Kramerianum*, *Miltonia Vexillaria*, *Peristelia elata* (Dove orchid) and *Odontoglossum*  
*Harryanum* and *Sceptrum*. Write for prices.

**LAGER & HURRELL, Summit, N. J.**

# ORCHIDS

**Orchid Baskets and Peat**  
Write for Prices

**JOSEPH A. MANDA**  
191 Valley Road - WEST ORANGE, N. J.

# ORCHIDS

Our importation has arrived in Perfect Condition  
*C. Gigas* *Sanderiana*, *C. Percivaliana*,  
*C. Gaskelliana*, *C. Mossiae*.

Expect *C. Mendelli* shortly.

**ORDONEZ BROS., Madison, N. J.**

# ORCHIDS

Our latest importations have been, *Cattleya Chrysotoxa*, *Cattleya Gaskelliana*, *Cattleya Gigas*, (Hardyana district), *Phalaenopsis Amabilis* *Schilleriana* and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

**CARRILLO & BALDWIN**  
SECAUCUS, N. J.

# Fine Quality Orchid Peat

25-bbl lots.....80c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmunda roots.

**WM. MATHEWS, - Utica, N. Y.**

# ZIRNGIEBEL'S FINE STRAIN

OF  
**PANSY PLANTS**  
NOW READY. Known for a quarter of a century. \$4.00 per 1000, 50 cents per 100.  
**AUGUSTUS ZIRNGIEBEL,**  
Cash with the order. **NEEDHAM, Mass.**



## KIFT'S New Fern and Berry Globe.

**T**HE newest and latest novelty of its kind. A quick seller. Created a sensation at Niagara Falls. May be filled with either Ferns or Partridge Berries, and retailed at splendid profit. The Top lifts off the Stand for filling or trimming. Perfect ventilation is secured through holes in base. Very attractive and ornamental in appearance, and a rattling good seller. As a Christmas novelty, it will be in great demand. The Partridge Berries and a red silk cord with tassels give it a striking Holiday finish. Three sizes: 5 in. \$3.00 per Doz., 6 in. \$4.00 per doz., 7 in. \$5.00 per doz. Packing free. F. O. B. Philadelphia.

SEND FOR ILLUSTRATED CATALOGUE.

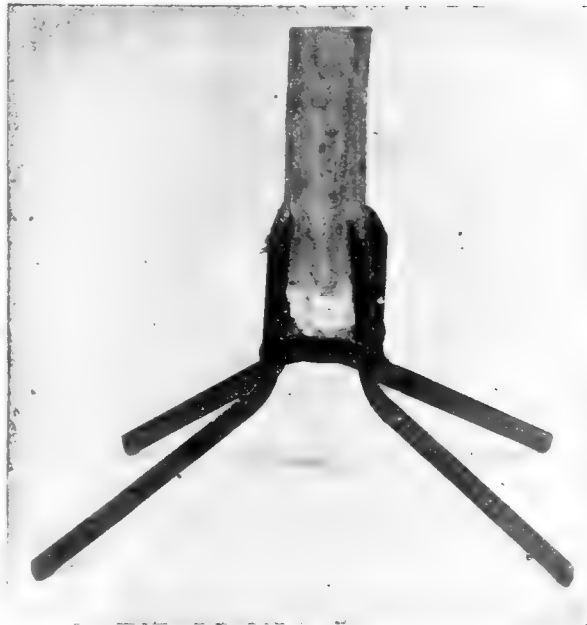
Partridge Berries \$3.00 per thousand sprays.

**ROBERT KIFT,**  
1725 Chestnut St., - - Philadelphia, Pa.  
Order now to insure prompt delivery.

### A SERVICEABLE TREE STAND.

Here is something new and useful. It is the Hall's Adjustable Tree Holder. Made of iron, weighing but a few ounces, adjustable to any size tree up to 4 1-4 in. caliper, and to larger ones by shaving down the stump. It is sold for the low price of \$3.50 per dozen, and should be included in the regular furnishings of all florist stores for the purpose of supporting trees and large boughs in decorative work. It folds up into small space and will last for years. It is the best thing up to date for holding Christmas trees.

and should have a very large sale this year. N. E. McCarthy & Co., Boston.



are sole agents for its sale in this country.

### A GREAT RETAIL FLORIST ESTABLISHMENT.

The firm of Pennock Bros., Philadelphia, of whose delivery service we give pictures, was founded over fifty years ago by Abram L. Pennock, Thomas Cartledge and John Westcott. There are but few firms in this country that can show so long and honorable a record and still remain leaders in their line of business. It is not so very long ago that even one delivery wagon was considered a sign of distinction for a retail flower shop. This array of Pennock Bros.' vehicles is illustrative of the strides the trade has taken in recent years. The pres-

ent members of the firm are A. B. Cartledge, and J. Liddon Pennock.

### NEWS NOTES.

**Sayre, Pa.**—A. L. Merrill has opened his greenhouses on W. Lockhart street.

**West Chester, Pa.**—Hoopes Bro. & Thomas Co. have purchased a large tract of land for nursery extension.

**East Syracuse, N. Y.**—Ernest C. Benedict, who has recently started in business here, is making a specialty of carnations.

**Negaunee, Mich.**—The office of the Negaunee Greenhouses has been transferred to the new plant, between Gold and Silver streets.

**Concord, N. H.**—The Concord Water department have over 100,000 young pines growing in their nursery on the shore of Lake Penacook.

**Richmond, Va.**—Mann & Brown, florists, Broad street, have installed electric fixtures, laid new floors and put in a new ice box for the fall trade.

**Hunters, Wash.**—The Hunters Land Co. have recently acquired 1080 acres of orchard land and will plant 100 acres to fruit trees at once. George Crossland has taken the position of manager.

**Waltham, Mass.**—Jas. T. Sillman, florist, was tendered a bogus check for \$20 by a woman in payment for a \$15 order, but discovered its worthlessness in time to prevent loss of the goods.



PENNOCK BROS.' DELIVERY SERVICE

# AZALEAS for Forcing—Christmas to Easter

Our stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular American varieties: Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael, Simon Mardner, Vervaeana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, John Llewelyn, Mme. Cam. Van Langenhove, Mme. Jos. Vervae, Paul de Schryver, Memoire de L'Van Houtte, Sigismund Rucker.

Per doz		Per 100	Per doz		Per 100	Per doz		Per 100	Per doz		Per 100
8-10 in. diameter,	\$3.50	\$25.00	10-12 in. diameter,	\$4.50	\$35.00	12-14 in. diameter,	\$6.00	\$45.00	14-16 in. diameter,	\$7.50	\$60.00
15-16 in. diameter,	9.00	75.00	16-18 in. diameter,	12.00	90.00	18-20 in. diameter,	25.00	200.00	20-24 in. diameter,	36.00	300.00

Order now and save express charges; impossible to ship by freight in cold weather.

We are pleased at all times to receive visitors at our nurseries. We have 100 acres planted with the most interesting nursery stock in the country. See Wholesale Catalog.

**BOBBINK & ATKINS, Nurserymen and Florists, Rutherford, N. J.**

## OBITUARY.

### George J. Evans.

George J. Evans, florist and landscape gardener of Flint, Mich., died on October 14. Mr. Evans was a native of England but has been in this country since 1891. A widow, one son and three daughters survive him. The business will be continued by the family.

### Mrs. George Yantz.

Mrs. George Yantz, who, with her husband was engaged in the florist business at Caldwell, Kan., was stricken with apoplexy while visiting her daughter near Little Rock, Ark., October 9 and died instantly. Mrs. Yantz was a native of St. Louis.

### Mrs. Mary E. Johnston.

Mary E., Widow of Thomas J. Johnston, who has carried on her husband's business since August, 1907, died in Providence, R. I., on Oct. 17. She leaves one little boy, six years old.

### Gilbert Rogers.

Gilbert Rogers, aged 74, a florist of Meadville, Pa., was thrown from a wagon October 19 and instantly killed, his neck being broken. He leaves a widow and family.

### Gustav Harrison.

Gustav Harrison of Washington, D. C., died suddenly on October 16 in his forty-second year. He was at one time with the Elizabeth Nursery Co.

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubby in Variety, Roses, Clothilde Souper, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price

## MUMS FOR EVERYBODY

Our entire Plant is devoted to Chrysanthemums  
Our productions for next year's delivery possess real commercial value.

### GLORIA

The NEW ENCHANTRESS Carnation colored was awarded a C. S. A. Certificate at New York, Oct. 10th. 1909 Novelties include Wells-Pockett and many Sundry English, Calvats and other Sundry French sorts.

We have all of last year's introductions.  
A complete list of the Hairy and Anemones.  
Our collection of Pompons and Singles is unsurpassed. We have 500 varieties under cultivation.

All the exhibition sorts for the private gardens. The Odd and Fancy for Park Conservatories. The best for the Commercial grower.

Our cutting bench will be filled by Nov 10th and shall make delivery of all early orders during Jan. and Feb.

Let us have your order early  
Preliminary list now ready.

### ELMER D. SMITH & CO.

Successors to NATHAN SMITH & SON

ADRIAN, Mich.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT,

ENGLAND

## HERBACEOUS PERENNIALS HARDY ORNAMENTAL TREES

EVERGREENS, SHRUBS,  
VINES, ROSES, Etc.  
Largest Variety in New  
England

Order Now for Fall Planting  
THE BAY STATE NURSERIES,

Catalogue Free  
North Abington, Mass.

## GRAFTED ROSES

Special Bargain Sale  
EXTRA FINE STOCK

Killarney, Carnot, Bride, Bridesmaid

From 3-inch Pots.  
\$2.00 per doz. \$12.00 per 100. \$100.00 per 1000

RICHMOND, BRIDE, BRIDESMAID,

From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000.

WOOD BROTHERS, Fishkill, N.Y.

In ordering goods, please add "I saw it in HORTICULTURE."

Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK,

216 Jane St., Weehawken Heights,  
P. O. No. 1, Hoboken, N. J.

## New Red Helenium

H. Autumnale Superbum Rubrum

Tall Growing. Fall Flowering.

Color terra-cotta Red.

First-Class Certificate Mass. Horticultural Society.

Fine plants, \$8.00 per 100

FREDERIC J. REA,

NORWOOD, MASS.

## CLEARY'S HORTICULTURAL CO.

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

HORTICULTURAL PRODUCTS

of every description.

Consignments Received. Surplus Stock Converted.

62 Vesey St., NEW YORK

## PUBLICATIONS RECEIVED.

The *Tenth in the Road*. This is a pamphlet by W. D. Maxwell and E. L. Stewart setting forth the basic principles of Dust Spray as against liquid spray in the application of insecticides. It is issued by the Dust Sprayer Manufacturing Company, Kansas City, Mo.

The Canadian Seed Growers' Association and Its Work with general explanations regarding the Growing, Selecting and Preserving of Seeds intended for Registration. James W. Robertson, Macdonald College, Que., is president and L. H. Newman, Canadian Building, Ottawa, Ont., is secretary and treasurer of the Association.

Proceedings of the Tenth Annual Convention of the American Association of Park Superintendents, held at Minneapolis, Minn., August 11, 12, 13, 1908. Contains all the papers read, stenographic minutes of the discussions and resolves, together with a portrait of President Elect John W.

## ? IF YOU HAVE

Been waiting for a drop in

## BULBS

Here's your opportunity Right Here

Per 100 Per 1000

CROCUS, Colors or Mxd.	.35	
TULIPS, S., Fire Flame	1.50	12.00
" Snow Bird	1.00	8.50
" M. Neil Golden	.85	7.50
Ex. Selected DAFFODILS	1.00	7.00
HYACINTHS, Nam'd & Mxd	2.50	

## W. ELLIOTT & SONS

42 VESEY STREET, NEW YORK.

**PULVERIZED SHEEP**  
**PULVERIZED HOG**  
**PULVERIZED CATTLE**  
**SHREDDED CATTLE**

Best Manure in the world for all crops. Best for all garden and florists' and greenhouses.

**Absolutely Pure**  
**No Waste**  
**No Danger**

Write for literature and quantity prices.

**MANURE**

THE PULVERIZED MANURE CO.

31 Exchange Ave., Union Stock Yards Chicago

**SHEEP MANURE**  
Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order  
**ROBERT SIMPSON**  
CLIFTON, N. J.

**60%** Delivery on ALASKA, HORSFORD, Etc. **60%**  
A FULL PRO RATA OF CROP ON ALL CONTRACTS.  
**LEONARD SEED CO., CHICAGO.** IS IT AN ACCIDENT?

Duncan and a group picture of the Association taken at Minnehaha Falls.

The Florists' Bibliography. By C. Harman Payne. As foreign corresponding secretary of the National Chrysanthemum Society, corresponding secretary of the Societe Nationale d'Horticulture de France and officially connected with a number of other societies Mr. Payne has attained a world-wide acquaintance and repute. The publication which is before us is a work which would have been impossible for one not a book-lover and book collector in the realm of horticulture and it will fill a most acceptable place, heretofore vacant, on the desk of the literary worker in floriculture or for any one who wishes to read up on any special topics connected with the industry. The list of books is quite comprehensive in scope but it is to be regretted that works on the Rose have been omitted, although the author explains that this has been done because this flower already has a bibliography of its own, and that there is no need to go over the ground again that has been traversed by Senor Vergara in his *Bibliografia de la Rosa*. Price, bound, postpaid, \$1.00, from office of HORTICULTURE.

"Money in Grasses." Joseph Theodore Barenbrug, Barenbrug Burgers & Co., Publishers, Arnhem, Holland.—This is a book of sterling value to anyone interested in the grass seed industry and to every gardener who has to do with lawns and pleasure grounds. The introduction to this American edition is written by George C. Watson, who is the representative in this country of Messrs. Barenbrug, Burgers & Co., and we agree with Mr. Watson when he remarks therein that "Joseph Theodore Barenbrug has certainly put the agricultural interests and the world generally under a debt of gratitude for a good work well done." The book contains over one hundred pages bound in flexible cloth and there are appended fifteen plates of the leading varieties of natural grasses printed in green. One chapter is devoted to Arnhem and its connection with the grass-seed export trade and is illustrated with many beautiful pictures of that quaint old town which is the centre of the grass-seed industry of Europe. The use and value of the natural grasses, how to use the same in mixtures, how to lay down permanent pastures, the use of clovers and other leguminous plants in connection with them are the subjects of the general chapters, which contain minute descriptions of all the varieties with their characteristics and many tables of mixtures for special purposes together with valuable information on the important subject of adulterations. The price of the book is \$1.00 postpaid from the office of HORTICULTURE.

## CATALOGUES RECEIVED.

John Lewis Childs, Floral Park, N. Y.—Trade price list of gladioli and other bulbs and plants for 1909.

Elm City Nursery Company, New Haven, Conn.—Abridged Check-List of Stock Suitable for Fall Planting.

Haage & Schmidt, Erfurt, Prussia.—1908 price list of seeds and plants. As usual, a very comprehensive catalogue, covering the whole domain of horticultural industry.

## Mignonette

**FARQUHAR'S**  
**GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**  
6 & 7 South Market Street  
BOSTON, MASS.

## Spanish Iris For Forcing

A surplus of extra fine stock in following splendid varieties:

**COUNT NASSAU, CAJANUS, BLANCHE FLEUR, BRITISH QUEEN, Etc.,**

Send list of wants for prices  
HYACINTHS, TULIPS, NARCISSUS,  
and all seasonable stock. Send for Catalogue.

Fresh Tobacco Stems, in Bales of 300 lbs., \$1.50

**W. C. Beckert, No. Side, Pittsburg, Pa.** Seedsman

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Big Boston, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.



**CHICAGO PLANT NOTES.**

Blooming plants are more abundant in the Chicago market this week, especially chrysanthemums. Robt. Halliday, October Sunshine, Alena, Mrs. A. K. Shaw, Estelle, Zenobia, Annette and Nio are among the varieties now at their best.

Nio, white pompon and Zenobia, yellow pompon, are a splendid pair.

Otaheite oranges, Christmas peppers and Jerusalem cherries are in the market and make very pretty window plants along with cyclamens and primroses.

**PLANT IMPORTS.**

Entered at the port of New York, Oct. 20 to 29, 1908: From Belgium: H. F. Darrow, 131 cs. plants; J. W. Hampton, Jr., & Co., 95 cs. do.; McHutchison & Co., 103 cs. do., 69 tubs laurel trees; Maltus & Ware, 176 cs. plants; C. B. Richard & Co., 56 cs. do.; August Rolker & Sons, 73 cs. do.; Smith & Bolzanthal, 78 cs. do.; Ter Kuile, 40 cs. do., 36 cs. laurel trees; Sundry Forwarders, 51 cs. plants.

Via Havre. H. F. Darrow, 58 pgs. seed; Peter Henderson & Co., 146 pgs. do.; H. Nungesser & Co., 200 pgs. do.; Sundry Forwarders, 236 pgs. do.

From Germany: H. F. Darrow, 1 cs. seed.

From London: Vaughan's Seed Store, 3 cs. mushroom spawn.

**NEW STEAMSHIP LINE FROM JAPAN.**

Vice-Consul Walter Gassett, of Kobe, reports that the Asaka Shosen Kaisha, the second largest steamship company in Japan, which has hitherto devoted its attention to the local coasting trade and to that of neighboring oriental countries, has now completed arrangements to start a line to the United States, viz., a semi-monthly service, with six vessels, with Tacoma and Seattle as starting points and Hong Kong as the terminus. An agreement to this effect has been signed with the Chicago, Milwaukee and St. Paul Railway Company, and the service may consequently be opened at the beginning of August, 1909. The six vessels are now being built, three at Kobe and three at Nagasaki.

**SOW NOW MY STRAIN OF Hardy Garden Carnations**

	as;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,	\$2.50		.30
Dwarf Scarlet Grenadin .....	2.00		.30
Early Dwarf Vienna, finest mixed.....	1.00		.20
New Early White Vienna, fine for cut,	1.50		.20
New Early Dwarf Hardy Garden			
Pinks, in splendid colors, mixed.....	4.00		.50

**O. V. ZANGEN, Seedsman**  
HOBOKEN, N. J.

**BRIDGEMAN'S SEED WAREHOUSE**

**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**Burpee's Seeds**

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

**MICHELL Headquarters for Bulbs.**

Just received in fine condition a late dug well matured lot of

**LILIUM HARRISII**

True stock grown by the most reliable growers in Bermuda.  
5-7 inch 400 Bulbs in Case, \$16.00 (These Bulbs actually run 6-7 inch.) Only 20 Cases left.  
Immediate ordering is advisable.

**WATSONIA ARDERNEI**

Gladioli like flower of pure white blooms, of great value.  
Extra Large Bulbs.....\$1.25 per doz. \$9.00 per 100.

Wholesale Catalogue of Bulbs, Seeds, Etc., Sent Free.

**HENRY F. MICHELL CO.,**

1018 Market Street, PHILADELPHIA, PA.

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

**Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify**

*Thorburn's*  
*Bulbs*

Lilium Longiflorum, 6 to 8 in. and up  
Lilium Longiflorum Multiflorum,  
6 to 8 in up  
Lilium Candidum  
Bermuda Easter Lilies

Seeds of our Magnificent Strain

Cyclamen Giganteum, Asparagus plu-  
mosus robustus and other sorts.  
Cineraria, Pansy, etc.

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**A. MITTING**

**Calla Lily Bulb Co.**

Santa Cruz, Calif., U.S.A.

**JUST ARRIVED**

HIGH GRADE

**DUTCH BULBS**

We also carry a full line of Florists' Supplies  
**THOMAS J. GREY CO.**

32 & 33 So. Market St., BOSTON, MASS.

In ordering goods, please add "I saw it in HORTICULTURE."

Remember we have a few left—**LILIUM CANDIDUM**—good sound bulbs. Price \$4.50 per 100; \$40.00 per 1000. Also good supply of **Dutch Bulbs.**

**H. E. FISKE SEED CO.**

The Faneuil Hall Square Seed Store,  
BOSTON, MASS.

**Winter-flowering**

**SWEET PEA SEED**

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

**READY** For Prompt Shipment...

**FRENCH and DUTCH BULBS**

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**C** **AULIFLOWERS** **E**  
**A B B A G E E D**  
LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

**QUALITY SEED BULBS PLANTS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
342 West 14th St., New York.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX

Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

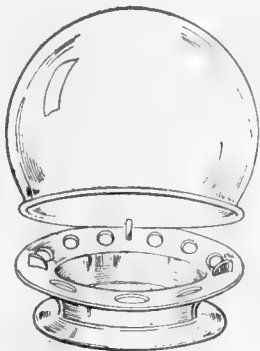
## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists

BERRY GLOBES.



most plentiful and where it has met  
with an increasing demand each suc-

For the re-  
tail florist,  
the Partridge  
Berry Globe  
is one of the  
best selling  
novelties for  
Christmas  
that has  
been intro-  
duced in  
years. The  
idea originat-  
ed in the New  
England  
states, where  
the berries  
appear to be

## STEAMER DEPARTURES

Allan.

Victorian, Montreal Liverpool, Nov. 5  
American.

New York, N. Y.-Shampton, Nov. 7  
St. Louis, N. Y.-Shampton, Nov. 14

Atlantic Transport.

Mesaba, N. Y.-London, Nov. 7  
Minnehaha, N. Y.-London, Nov. 14

Cunard.

Ivornia, Boston-Liverpool, Nov. 3  
Lusitania, N. Y.-Liverpool, Nov. 4  
Lucania, N. Y.-Liverpool, Nov. 11

French Line.

La Lorraine, N. Y.-Havre, Nov. 5  
Chicago, N. Y.-Havre, Nov. 7

Leyland.

Bohemian, Boston-Liverpool, Nov. 4  
Winifredian, Boston-Liverpool, Nov. 11

North German Lloyd.

Kronpr. Wm., N. Y.-Bremen, Nov. 3  
Kaiser Wm. II., N. Y.-Bremen, Nov. 10

White Star.

Adriatic, N. Y.-Southampton, Nov. 4  
Cedric, N. Y.-Liverpool, Nov. 5

Cymric, Boston-Liverpool, Nov. 7

ceeding season until last year, when  
about twice as many were sold as pre-  
viously. The market widened until  
orders came from cities in the West  
and South for more than could be  
filled. Several firms made a business  
of supplying these globes to the trade,  
and made them by the thousand.

Ordinary fish globes in sizes from  
4-5-6-7-8 inches in diameter were used,  
and covered with a piece of glass, cut  
to fit the top of the globe. This was  
afterward improved upon by having  
a lid or cover of pressed glass made for  
the purpose. A red cord with tassels  
tied in a bow around the neck of the  
globe gives a finish and makes it a  
most complete and acceptable Christ-  
mas gift. These globes retail at a very  
good profit, the selling price ranging  
from \$1.50 to \$2.50 each, or as high as  
\$5, according to size and the trade of  
the stores handling them.

The Partridge Berry, as it is gener-  
ally called, although it is also known  
locally in different places as Squaw  
Berry, Two-eyed Berry, Rabbit Berry,  
Turkey Berry, etc., is botanically

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

## THOS. F. CALVIN

124 Tremont St., Boston

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

## JULIUS A. ZINN,

2 Beacon St., Boston.

Fine Design Work a Specialty.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

# IT'S TIME

"To Make a Noise Like an Order,"

## IF YOU DESIRE OUR ADJUSTABLE PLANT STANDS

for the coming Fall and Winter Horticultural Displays, as we are rapidly selling up our production until that time, and late comers will be disappointed.

**Prize winners this season for display and banking of plants will be those equipped with The Moore-Livingston Adjustable Plant Stands.**

With three sizes of stands all heights can be obtained from 6 to 48 inches.

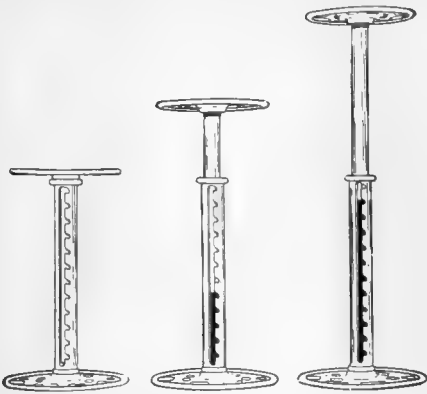
If your seedsmen or supply house cannot furnish them, write, phone, wire or cable us and we are "Johnnies on the spot" for a prompt reply as to where they can be obtained.

**The Moore-Livingston Co**

MAKERS AND  
PATENTEES

**Lansdowne, Pa.**

**PHILADELPHIA OFFICE: Central Trust Building, 4th and Market Sts., Philadelphia**



named *Mitchella repens*. It grows all over the United States, east of the Mississippi, particularly in the pine woods, from Canada to Mexico, being most plentiful in the New England states. It is a low-grounding vine with glossy green leaves, bearing berries about the size of peas, of a bright holly red color. These can be gathered from the first of October on, packed in damp moss, and stored in cool cellars or in storage, where they will keep perfectly until wanted. The vines are picked with stems about 4 to 6 inches long, each with a berry, and tied in bunches of 50 sprays.

The trade price for them is from \$2.50 to \$3.00 per thousand sprays. In filling the globes a ball of sphagnum covered with green sheet moss is bound together with thread (Silkline is best), then moistened well and filled with the berry sprays. Three of these about two to three inches long are stemmed together with hair-wire, and made as pointed at the stem end as possible. Some workers place the sprays separately into the moss, using a pair of tweezers to handle them. Care should be taken not to make the ball of moss too large, as it cannot be



placed readily into the globe when finished, and also presents a too crowded appearance should the berries press against the glass. When covered from the air so as to retain the moisture, and stood in a light place, but not in the sun, these globes will retain their beauty in the house for several months, and have given the greatest satisfaction.

A new globe made specially for the purpose is introduced this season and has several points of merit over the old style fish globe, which has been used only because it seemed to be the only thing available. The new design presents a perfect globe, which is of much more elegant appearance. It consists of two parts, the globe or cover and the stand or base in which it rests, both of which parts are of the clearest crystal. The stand is so constructed that there is room for the roots of a fern, and in the larger size for a small earthen pan, which will hold several ferns, so that in its dual capacity as a miniature fernery and berry globe, it can be used at all seasons. When filled with ferns and berry vines combined, it is also, very pretty.

Ventilation is arranged for in the base, which is perforated so as to admit the necessary amount of air required. The accompanying illustrations give a good idea of the construction of the globe and its appearance when filled. **ROBERT KIFT.**

### NEW RETAIL FLOWER STORES.

**Brockton, Mass.**—William Jahn, Main St.

**Calumet, Mich.**—Lutey Floral Co., Holman Block.

**Berkeley, Cal.**—Miss I. M. Adams, 2137 Center St.

**Providence, R. I.**—Jos. Kopelman & Co., 21 Washington St.

**Springfield, Mass.**—Frank J. Sullivan & Co., 178 Worthington St.

**Waltham, Mass.**—Waltham Floral Co. at Moody and Robbins streets.

**Racine, Wis.**—Racine Floral Co., Sixth St. Potted ferns were given as souvenirs at the opening.

The Northern Westchester Horticultural and Agricultural Society will hold an exhibition on November 6-8, at Mt. Kisco, N. Y. The Bailey cup is offered to private gardeners for 24 chrysanthemums, not less than eight varieties.

### BUSINESS CHANGES.

**Cleveland, O.**—H. Eickhoff has disposed of his business to Mr. Rock.

**Baltimore, Md.**—Guy Strickland has leased the Patterson greenhouses and will start in business at once.

**Freeport, Me.**—J. J. Turner will run the Casco Castle Greenhouses on his own responsibility this season.

**Waltham, Mass.**—R. W. Powers succeeds R. L. Goinsalvos and the place will be known as the Chestnut Street Greenhouses.

**Brooklyn, N. Y.**—Bonnet & Blake, wholesale florists, have leased a store and basement at 130 Livingston St., for a term of years.

**Darien, Conn.**—The St. John Greenhouse has been purchased by Ezra Hartright of Noroton and will be removed to that town.

### NOTICE

We desire to notify the trade that we are the owners of United States patent No. 489,218 for Floral Figure which claims:



"A florist's letter or figure stamped from a sheet of paste-board or other suitable material, having an adhesive coating applied thereto and an outer covering of granules of sawdust appropriately colored to represent the petals of the *Helichrysum arenarium* substantially as described."

Letters which are a direct infringement of this patent are being put on the market and we intend to hold all who make or sell the infringing letters to strict account.

The lawful patented goods are in every respect much superior to the infringement.  
**BOSTON FLORIST LETTER CO.**  
66 Pearl St. N. F. McCarthy, Mgr. Boston, Mass.

## TIE UP

Your Chrysanthemum Plants with

### GREEN SILKALINE

Made Especially for that Purpose.

**JOHN C. MEYER & CO., Boston, Mass.**



**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 34

## CHRYSANTHEMUMS

Fancy stock, \$2.00 per doz.  
Good first, \$1.00--\$1.50 per doz.

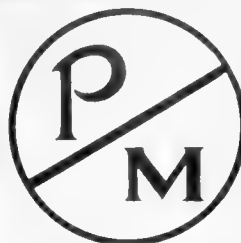
15,000 White Ivory \$5.00--\$8.00  
Per 100.

The Best Medium Size Mums on the Market.

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.



## Pompon Chrysanthemums

The newer varieties. Bright Yellow, Bronze, White and many other shades.

\$3.00 per dozen Bunches.

QUALITY  
**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

## BEAUTIES, VALLEY, VIOLETS

**W. E. McKISSICK** WHOLESALE  
FLORIST  
PHILADELPHIA  
1619-1621 RANSTEAD ST.



## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG

WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to  
advantage.

**E. F. WINTERSON CO.**

45-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS, ORCHIDS, and all the line of  
your orders. We have a large stock of  
Hardy Greenery, Ferns, and all the line of  
HARTY FAN PALMS, etc. Write for quotations.

In ordering goods please add "I saw  
it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES LILY OF THE VALLEY, CARNATIONS WELCH BROS., 226 Devonshire St., Boston, Mass.

### WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Oct. 26	TWIN CITIES Oct. 26	PHILA. Oct. 26	BOSTON Oct. 29
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	20.00 to 25.00	25.00 to 32.00	20.00 to 25.00	15.00 to 25.00
"    Extra.....	15.00 to 20.00	15.00 to 25.00	12.50 to 15.00	12.00 to 15.00
"    No. 1.....	10.00 to 15.00	12.00 to 15.00	8.00 to 10.00	6.00 to 10.00
"    Lower grades.....	5.00 to 10.00	8.00 to 12.00	4.00 to 5.00	1.00 to 4.00
Bride, 'Maid, Fancy & Special.....	4.00 to 6.00	5.00 to 7.00	3.00 to 5.00	2.00 to 6.00
"    Lower grades.....	2.00 to 4.00	3.00 to 5.00	1.00 to 2.00	.50 to 1.00
Killarney, Richmond, Fan, & Sp.....	6.00 to 8.00	6.00 to 10.00	4.00 to 6.00	2.00 to 6.00
"    Lower grades.....	4.00 to 6.00	4.00 to 6.00	1.00 to 3.00	.50 to 1.00
Kaiserin, Carnot.....	3.00 to 6.00	6.00 to 10.00	2.00 to 6.00	.50 to 8.00
Golden Gate, Chateaux, etc.....	3.00 to 6.00	4.00 to 7.00	2.00 to 5.00	.50 to 6.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	2.00 to 3.00	2.00 to 3.50	1.00 to 2.00	1.00 to 2.00
Ordinary.....	1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	.75 to 1.00
<b>MISCELLANEOUS</b>				
Carteas.....	40.00 to 50.00	40.00 to 55.00	35.00 to 40.00	30.00 to 50.00
Lilies.....	12.00 to 15.00	12.00 to 16.00	10.00 to 12.00	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Chrysanthemums, Fancy.....	20.00 to 25.00	15.00 to 25.00	10.00 to 20.00	8.00 to 12.00
"    Ordinary.....	5.00 to 10.00	14.00 to 20.00	5.00 to 8.00	4.00 to 6.00
Violets.....	.50 to .75	.75 to 1.00	.45 to 1.00	.35 to 1.00
Adiantum.....	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	10.00 to 12.00	10.00 to 15.00	10.00 to 15.00	10.00 to 12.50
Asparagus Plumosus, strings.....	25.00 to 30.00	35.00 to 50.00	25.00 to 50.00	25.00 to 50.00
"    " & Sprea. (100 bchs.)	50.00 to 75.00	35.00 to 50.00	35.00 to 50.00	15.00 to 25.50

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of CUT FLOWERS



**HENRY M. ROBINSON & CO.**

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## WHOLESALE ONLY Galax, Ferns and Leucothoe

Direct from the growers to the dealer. Per 100 Galax,  
Green, 50c. Leucothoe Sprays (green) 1.50. Ferns,  
Dagger and Fan, yellow, special prices. 1.00  
of 100,000 and up. Terms, strictly cash, F. O. B. Elk  
Park, N. C.

**NORTH CAROLINA EVERGREEN CO.**  
Banner Elk, - - N. C.

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Flower Market Reports.

**BALTIMORE** The florists' business, in common with most others, suffers from the depression incidental to the presidential election year, it being reinforced this season by the unsettled financial conditions. With the thermometer rambling between 70 and 80 degrees, flower beds are still brilliant. The effect of the summer weather is seen in some varieties of chrysanthemums, as Pompadour, Amorita, Shaw, Robinson and a few others which have been crowded in several days ahead of their normal season. Roses and carnations are abundant. Sweet peas and violets are in limited quantity only.

**BOSTON** It is not possible to say anything complimentary concerning the flower market this week. There are not words expressive enough in the English language which at the same time would be permissible in type to represent the feelings of growers and wholesalers as they contemplate the magnitude of the supply and the paucity of the demand for their product. There is no choice to be made of any particular class as doing better than others, but perhaps it can be said in fairness that the white carnation is in a little worse predicament than anything else. In roses, if anything sells it is apt to be Killarney.

**CHICAGO** Only the most optimistic can see much change in the condition of the Chicago flower market. Unfavorable weather has prevailed throughout the month, and consequently October business has not been what it generally is. There was stock in abundance—in fact, too much—but it would not hold up after it was taken from the ice box. At the end of the week the weather cooled, followed by a drizzling rain which quickly decreased the quantity of stock, and the last week of October opened up with a slight increase in business, mostly in chrysanthemums. Roses, which had dropped to about one-half their former price when chrysanthemums came in, are not yet restored to normal. Later varieties of chrysanthemums are taking the places of the early ones. Sweet peas are in the market, and *Bouvardia Humboldtii* is a specialty at McKellar's. Lilies are not seen in any great quantity. Lily of the valley is in fair supply. Orchids are more abundant, and the price a little lower. *Cattleya labiata*, *Vanda coerulea*, *Oncidium Rogersii* and *Dendrobium formosum* are the varieties now offered. Violets are coming in better as the season advances. The season has been very unfavorable so far both for the growing and the shipping of violets. Out-of-town orders for All Saints' Day are beginning to come in. Bassett & Washburn are filling large orders for chrysanthemums to Texas. Each bloom is wrapped in tissue paper for shipping.

**LOUISVILLE** Business this past week was very quiet, nothing moving any too well. Chrysanthemums sold some and are very plentiful. Roses and carnations are good and abundant, but bring small prices, considering the

## WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Oct. 29		Oct. 29		Oct. 26		Oct. 27	
ROSES								
Am. Beauty, Fan. and Sp.	24.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
“ Extra	18.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.50	to 15.00
“ No. 1	12.00	to 5.00	12.00	to 16.00	8.00	to 15.00	6.00	to 1.00
“ Lower grades	6.00	to 13.00	6.00	to 10.00	3.00	to 8.00	.....	to 3.00
Bride, 'Maid, F. & S.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	.....	to 6.00
“ Low. gr.	2.00	to 4.00	4.00	to 6.00	2.00	to 4.00	4.00	to 5.00
Killarney, Richmond, Fan. & Sp.	5.00	to 7.00	6.00	to 8.00	6.00	to 7.00	5.00	to 6.00
“ Lower grades	2.00	to 4.00	4.00	to 6.00	2.00	to 4.00	.....	to 4.00
Kaiserin, Carnot	4.00	to 6.00	6.00	to 8.00	3.00	to 7.00	2.00	to 4.00
Golden Gate, Chateauf, etc.	3.00	to 6.00	4.00	to 6.00	3.00	to 6.00	2.00	to 4.00
CARNATIONS								
Fancy and Novelties	.....	to 2.00	2.00	to 4.00	1.50	to 2.00	1.50	to 2.00
Ordinary	1.00	to 1.50	1.50	to 2.00	1.00	to 1.50	.50	to .75
MISCELLANEOUS								
Cattleyas	.....	to 35.00	.....	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies	8.00	to 10.00	12.50	to 15.00	3.00	to 12.00	10.00	to 12.50
Lily of the Valley	3.00	to 4.00	3.00	to 4.50	3.00	to 4.00	3.00	to 4.00
Chrysanthemums, Fancy	15.00	to 25.00	15.00	to 25.00	12.00	to 15.00	15.00	to 20.00
“ Ordinary	5.00	to 10.00	6.00	to 12.00	5.00	to 7.00	5.00	to 10.00
Violets	5.00	to .60	.50	to .60	.40	to .50	.00	to .75
Adiantum	.....	to 1.00	1.00	to 1.50	.50	to 1.50	.....	to 1.25
Smilax	10.00	to 12.50	12.50	to 15.00	12.00	to 15.00	10.00	to 12.50
Asparagus Plumosus, strings	40.00	to 50.00	50.00	to 75.00	40.00	to 50.00	25.00	to 50.00
“ “ & Spreng. (100 bchs.)	25.00	to 35.00	40.00	to 50.00	25.00	to 30.00	30.00	to 50.00

quality. Other stock is plentiful, but has only a slow demand.

**PHILADELPHIA** Market last week very congested, and while business was fair, prices were very unsatisfactory on most lines. Immense quantities of low grade to medium chrysanthemums, a large proportion of which went begging. The weather is unseasonably warm, crops unseasonably heavy and demand unseasonably slack. The flower trade may therefore be said to be in the delightful situation of "hell on one side and the iron works on the other." The rose market is about as healthy as any—the supply not being so very far ahead of the demand. If My Maryland keeps its summer and fall pace up during the winter and spring it will prove the greatest thing in many a day, both for grower and retailer. Two lots of White Killarney have been on view at one of the wholesale centres, and it would seem that the keeping qualities of this new claimant have not been exaggerated. Carnations are more plentiful, but we regret to report quality nothing extra. The warm weather has been especially hard on single violets. Pansies are excellent, and meet with ready sale.

**TWIN CITIES** Retailers and wholesalers in the Twin Cities report business picking up. Owing to the warm weather of late it was not as good as might have been expected; but the week past it was increasing and the outlook for the rest of the month seems to be promising. Violets are just commencing to come in. Demand and supply in other cut flowers are about equal, except on lilies, which are scarce. Rice Bros. are shipping roses in bud to Seattle, Wash., where they are used as hatpins after being treated with some solution, so prepared that they are supposed to last for a long time.

**WASHINGTON** There seems to be a tone of improvement in both wholesale and retail markets over last week but the unnatural heat of the past week has very decidedly impaired the quality of the greenhouse products. Cosmos is very much injured by a bug which feeds upon the petals and comes with the warm weather and while there is any amount of the bloom a great deal of it is not fit to handle.

### PERSONAL.

Hernan Myers of Chicago has taken a position with the Columbine Gardens, Westminster, Colo.

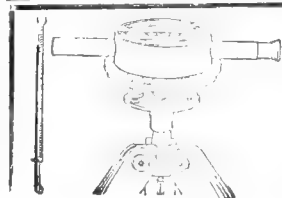
Visitors in Boston: L. J. Reuter, Westerly, R. I.; John W. Gibson and Wm. Jurgens, Newport, R. I.; Conrad Schultz, Westerly, R. I.

Four members of the family of ex-Judge W. B. Sands, of Baltimore, have been seriously ill and we regret to report that all are not yet out of danger.

Visitors in Chicago: Mr. and Mrs. J. J. Soper, Rockford, Ill.; Louis Wassermann, Muskegon, Mich.; Mr. Augspurger, of D. N. Augspurger & Son, Peoria, Ill.

J. G. Crozer and son, of Cedar Rapids, Ia., are in Chicago this week, looking after plans and materials for a retail store and show house. Mr. Crozer reports business as good in Cedar Rapids. Happy town!

A. M. Rennie has resigned his position with the Haskell Implement & Seed Co., Boston, and accepted the post of Chicago representative of A. H. Hews & Co., flower pot manufacturers of North Cambridge, Mass.



### Bostrom Improved Builders' Levels and Farm Levels

For Park, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level \$25.00. Farm Level \$15.00.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.



**FORD BROTHERS**  
48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
A Full Line of All CUT FLOWERS  
Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**  
Wholesale Commission Florist,  
Choice Cut Flowers,  
57 West 28th St., :: NEW YORK.  
Telephones: 2200, 2201, Madison Square.

**The Reliable Commission House**  
Richmond Roses and Rich Flowers  
of all varieties  
**JOS. S. FENRICH**  
110 W. 28th Street, New York  
Tel. 324-325 Madison Square

**Alfred H. Langjahr**  
All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.  
55 West 28th Street, New York.  
Telephones 4636-4627 Madison Square

**Edward C. Horan**  
Wholesale Florist  
55 WEST 28th ST.  
Tel. 1462 Madison Square New York  
1463

**FRANK MILLANG**  
Wholesale Florist  
55-57 West 26th St., NEW YORK  
Shipments, any quantity, Whole-  
sale Market Rates.

**Consignments Requested**  
A Good Market and Prompt Returns  
**GEORGE SALTFOORD**  
43 W. 28th Street, NEW YORK

**VIOLETS**  
Finest Grade. Any Quantity  
**B. S. SLINN**  
55-57 W. 26 St., New York  
**Moore, Hentz & Nash,**  
Wholesale Commission Florists,  
55 and 57 West 26th Street,  
Telephone No. 756  
Madison Square. New York.

**MILLANG BROS.**  
WHOLESALE COMMISSION FLORISTS  
41 West 28th Street  
Telephones 3860 Madison  
3861 NEW YORK

**JOHN I. RAYNOR**  
Wholesale Commission Florist SELLING AGENT FOR  
LARGEST GROWERS  
A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
grown for New York market, at current prices  
TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
39 West 28th Street, New York  
Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
CARNATIONS, DAISIES, ROSES AND CARNATIONS  
Telephone  
**JAMES McMANUS, 789 Madison Sq. 42 W. 28th St., New York**

**PHILIP F. KESSLER** 55 & 57 W. 26th St., New York City  
Commission Dealer, Wholesale Buyer  
and Seller of  
Open from 5 a. m. to 6 p. m. Sunday  
till 10 a. m. **CUT FLOWERS**  
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
Finest Lilies in the Market Every Day in the Year.

### NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES	Last Half of Week ending Oct. 31 1908		First Half of Week beginning Nov. 2 1908	
American Beauty, Fancy and Spectacular	8.00	to 12.00	8.00	to 12.00
" " Extra	6.00	to 8.00	6.00	to 8.00
" " No. 1	5.00	to 6.00	4.00	to 5.00
" " Lower Grade	1.00	to 2.00	.50	to 2.00
Bride, "Aldo, Fancy and Spectacular	3.00	to 5.00	3.00	to 5.00
" " Lower Grade	.50	to 1.00	.50	to 2.00
Killarney, Richmond, Fancy and Spectacular	3.00	to 5.00	3.00	to 6.00
" " Lower Grade	.50	to 1.00	.50	to 2.00
Kaiserin, Carnot...	.50	to 5.00	.50	to 5.00
Golden Gate, Chateaux, etc.	.50	to 5.00	.50	to 6.00

**Alexander J. Guttman**  
THE WHOLESALE FLORIST OF NEW YORK  
34 WEST 28th STREET  
PHONES, 1664-1665 MADISON SQUARE  
ENOUGH SAID

**TRAENDLY & SCHENCK**  
Wholesale Florists  
Furnish best stock at fair prices all the year round.  
Send for quotations on Fall Orders.  
Tel. 798, 799 Madison Sq. 44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.** CUT FLOWERS  
AT WHOLESALE  
VIOLETS, CARNATIONS, ROSES  
ORCHIDS, CHRYSANTHEMUMS, LILIES  
Consignments Solicited Shipments to Order, any Distance  
39 West 28th Street, Telephone 6337 Madison Square  
J. J. COAN, Manager NEW YORK



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

54 West 28th St.  
NEW YORK

Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.

JOHN YOUNG

WHOLESALE FLORIST

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Greater New York Florists' Association, Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

REED & KELLER  
122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Glassware Decorative Greens and Florists' Requisites.

WEIGEL & UJFALUSSY

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

## THE KERVAN CO.

Wholesale Dealers and Shippers of

Decorative Evergreens

Ferns, Galax, Laurel, Fresh Cypas, Boxwood, Sphagnum and all Christmas Greens

Send to us for Quotations before Buying

113 West 28 Street, NEW YORK CITY

## SAMUEL A. WOODROW

WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

## H. C. BERNING

Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of EVERGREENS

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## E. A. BEAVEN

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

## MISTLETOE

WHOLESALE ONLY

Twelve years' experience in gathering and shipping Mistletoe. Crop will be about fifty five tons and pounds. Dates of shipments guaranteed. Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Oct. 31 1908	First Half of Week beginning Nov. 2 1908
Carnations, Fancy and Novelties.	1.00 to 2.00	1.50 to 2.00
Ordinary	.75 to 1.00	.75 to 1.00
Cattleyas	20.00 to 25.00	20.00 to 25.00
Lilies	4.00 to 6.00	4.00 to 5.00
Lily of the Valley	1.00 to 2.00	1.00 to 3.00
Chrysanthemums, Fancy	8.00 to 15.00	8.00 to 15.00
Ordinary	3.00 to 6.00	3.00 to 8.00
Violets	.25 to .50	.20 to .40
Gardenias	12.00 to 25.00	12.00 to 25.00
Adiantum	.50 to 1.00	.50 to 1.00
Smilax	8.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings	20.00 to 35.00	20.00 to 35.00
" & Spreng. (100 bchs.)	12.00 to 25.00	20.00 to 25.00

### NEW YORK FLOWER MARKET.

There is no improvement in this market; in fact, conditions are worse than last week. Chrysanthemums are coming in fast more than can be disposed of—and everywhere in the market they are in evidence. White and yellow predominate and prices are very low. Beauties are plentiful, quality good. Brides, Bridesmaid, Killarney, Richmond and other teas are in little demand and averages are low. Carnations are cheaper and in larger supply than usual for October. In fact the market is choked up with every kind of material, for which there seems to be no immediate outlet. Quotations on cattleyas, lily of the valley and violets are lower than ever at this season. Adiantum is not wanted at all, but asparagus can be sold in moderate quantities. Of all the stock coming into the market there is hardly one that appears to have the call.

### A CORRECTION.

In your issue of the 24th inst., you mention C. A. Bayer as the successor to Starke & Co. Please correct same, as I am not the successor, as I have started up an entirely new business, which bears my own name.

CHARLES A. BAYER.

52 W. 29 St., New York.

### GREEN GALAX.

Fresh from the woods, prompt shipments, regular size, 40c. per 100, small size for bunching Violets, 35c. per 100. 5% discount on 5 cases or more. Kalmia or Mountain Laurel, \$2.00 per case. Holly \$2.50 per case. Bronze Galax, in Dec. and Jan. 40c. per 100.

Terms: Strictly cash. All shipments North and Northwest, made from our Warehouse, Galax, Va. Express and freight rates less than from N. C. points. We are experienced packers. We guarantee satisfaction. Look us up in Dun or Bradstreets.  
W. M. WOODRUFF & SON Lowgap, N. C.

## Green Mountain Ferns

We are still gathering ferns among the Green Mountains of Southern Vermont. Let us send you a sample case.

G. J. WALKER, - Savoy Centre, Mass.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 23 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.  
Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

## ASPARAGUS

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
Plumous Robustus Seeds.  
For page see List of Advertisers.

Asparagus Plumous Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

Asparagus roots. Argenteuili, raised on new land; good plants, 100—\$1.50. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

Asparagus plumosus Robustus, strong plants from 2-4 in. pots, \$3.00 per 100. Cash. W. S. Nichol, Barrington, R. I.

Asparagus, strong plants, 2 in. Plumous Nanns, \$2.25; Sprengeri, \$2.00 per 100. Chas. Frost, Kenilworth, N. J.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.  
F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.  
For page see List of Advertisers.

## BAY TREES.

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.  
Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.  
2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.  
For page see List of Advertisers.  
Begonia Gloire Lorraine, strong plants from leaf cuttings, 2 1/4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

For 2 ft. 2 in. boilers built for greenhouse heating, 17 ft. 2 in. wide, apply to P. H. H. J. Smith, Boston.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.  
For page see List of Advertisers.

J. M. Thornburn & Co., 83 Barclay St., New York.  
Trade List Now Ready.  
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
For page see List of Advertisers.

Rickards Bros., 37 East 10th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.  
Watsonia Ardenae.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.  
Dutch Bulbs and Florists' Supplies.  
For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.  
Calla Bulbs.  
For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs. Also native tree and plant seeds. I have them and will make prices to suit. L. E. Williams, Nottingham, N. H.

## CABBAGE AND LETTUCE PLANTS

R. Vincent Jr. Sons & Co., White Marsh, Md.  
For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Field Grown.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.  
For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Field Grown Carnations.

CARNATIONS, field grown stock of Joost, May Naylor (white) and Flora Hill, good stock, at \$4.00 per 100; \$35.00 per 1000 to clear. Williams & Young, Norwalk, Conn.

## CAULIFLOWER AND CABBAGE SEED

H. Hartmann & Co., Copenhagen, Denmark.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
For page see List of Advertisers.  
Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

## CHRYSANTHEMUMS—Continued

Stock plants of Polly Rose, October Frost, Touse, Ivory, Wanemaker, ready, \$3 per 100; Beatrice May, Virginia Poehlmann, Alice Roosevelt, Miriam Hankey, Intensity, Mad. Rosette, White and Yellow Bonafant, \$4 per 100. Cash. Harlowarden Greenhouses, Greenport, N. Y.

Chrysanthemum Golden Glow from 2-4 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucey Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Peirce Bros., Waltham, Mass.

Chrysanthemums, stock plants of new English singles. Popular everywhere as pot plants and cut flowers. Ladysmith, deep pink; Mary Anderson, blush; Nancy Perkins, best white; Gertrude, large white; Annie Holden, yellow. Stock limited. Get your order and cash in early. Per doz. \$1.50; fifty, 10 each of above five kinds, \$5. Cash. F. W. Fletcher Co., Boston, Mass., Auburndale Station.

Good strong stock plants from solid bed: White Polly Rose, Ivory, Clementine Touse, Alice Roosevelt, Alice Byron, Angele Laurent, Yellow Monrovia, Cheloni, Mrs. W. Duckham, October Sunshine, Pink Winter Cheer, Glory of Pacific, 25 assorted as wanted, for \$1.00; 100, \$3.50. Cash. Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## COLD FRAME MATS

Wm. Elliott & Sons, 42 Vesey St., N. Y.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.  
For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

Clifford W. Bruton, the best yellow that grows. Extra strong bulbs, true to name, \$5.00 per 100. Stock limited. Half dozen of Groff's hybrid gladioli free with every 100 dahlias. Cash with order. Ralph Horner, Mt. Holly, N. J.

## DECORATIVE EVERGREENS

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.  
Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

# For List of Advertisers See Page 593

**ELECTRIC CIRCULATOR**

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.  
For page see List of Advertisers.

**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway,  
New York, N. Y.

Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.

For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Robert Simpson, Clifton, N. J.

Sheep Manure.

For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—  
Continued**

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2159-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE  
PLANTS**

A. Schultze, College Point, N. Y.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Whildin Pottery Co., Philadelphia.  
Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.

Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.

New and Standard Varieties.

For page see List of Advertisers.

Rooted Cuttings, Mme. Buchner, Poite-  
vine, Gervais, Nutt, Marquis de Castellane,  
Grant, Peter Henderson, \$1.25 per 100.  
Cash. Chas. Frost, Kentworth, N. J.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 28th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Parshelsky Bros., 59 Montrose Ave.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING POINT**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.

For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.  
Peerless Glass Repair Clamp.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Polots). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATE-  
RIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip  
gutter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS AND SUPPLIES**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange,  
88 and 40 Broadway, Detroit, Mich.

Fancy Ferns.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HELP FURNISHED**

Thos. H. Baumbach, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HELP WANTED**

J. H. Troy, 24 E. 34th St., New York.  
Nursery Foreman Wanted.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago.  
For page see List of Advertisers.

Sweet Williams, Canterbury Bells, Vinca  
Minor. Also Pansies, Robert A. Mitchell,  
Manchester-by-the-Sea, Mass.

All strong field plants or roots of the  
following kinds. Price per 100. No less  
than 20 of one kind at these prices: *Anemone*  
Jap. Whirlwind, \$4.50; *Campanula*  
*Persicifolia*, blue and white, \$3.50; *Dianthus*  
*Plumarius*, hardy pinks, \$3.50; *Funkia*  
*Media Pieta* Var. \$3.50; *Bocconia Cordata*,  
\$2.50; *Helenium Autumn. Sup.* \$2.50; *Oriental*  
Peppies, six named sorts, \$4.00; *Phlox* in  
variety, \$2.50; *Phlox Subulata*, Rose and  
Lilac, clumps, \$3.50; *Rudbeckia Newmanii*  
and Sub. *Tomentosa*, \$2.00; *Spiraea*, *Pal-*  
*mata Elegans*, *Ulmaria*, *Aurea*, and *Venus-*  
*ta*, \$3.50; *Eupatorium Ageroides*, \$2.50;  
*Euphorbia Corolata*, \$2.50; *Helianthus Mol-*  
*lis* Grand, *Wooley Dodd* and *Decapetalus*,  
\$2.50. *German Iris* in mixture, \$1.50.  
Palsades Nurseries, Sparkill, N. Y.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
*Hydrangea Arborescens* Grand. Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St.,  
New York.

Kilmdead Tobacco Dust.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind  
that has so many imitators, has our guar-  
antee tag of satisfaction or money back,  
and "The Moon Trade Mark" on every bag,  
\$3.00 per 100 lbs. The H. A. Stoothoff Co.,  
Mount Vernon, N. Y., Makers and sellers.

"The Black Stuff Fine Tobacco Powder"—Green flies, and black ones too, die  
on sight of the bag. 'Tis fine as flour, and  
made from the black strong tobacco; for  
dusting on foliage it has no equal. The H.  
A. Stoothoff Co., Mount Vernon, N. Y.,  
Makers and sellers.

APHICIDE (nicotine paper) costs less per  
effective fumigation than any other paper  
made. We guarantee this. We sell direct  
to the grower; the middleman's profit is  
placed in the nicotine strength of the pa-  
per. 24 sheets, each sheet 24 inches long,  
65c. postpaid; 144 sheets, each sheet 24  
inches long, \$3.50 express paid; 288 sheets,  
each sheet 24 inches long, \$6.50, express  
paid. The H. A. Stoothoff Co., Mount Ver-  
non, N. Y., makers.

**IRIS**

W. C. Beckert, North Side, Pittsburg, Pa.  
Spanish Iris for P. P. G.

For page see List of Advertisers.

Iris German Iris, purple, lavender,  
standards, 50 for \$1.00, postpaid. H. Dew-  
hurst, Route 3, Box 57, Petersburg, Va.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roselindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.  
For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in.  
poets, \$2.00 per 100. E. O. Perry, Berlin,  
Mass.

**MISTLETOE**

F. Cecil Barker & Co., Las Cruces, N. Mex.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn  
made "Direct from Spores." Write for  
pamphlet. Anglo-American Spawn Co.,  
Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Cul-  
ture." John F. Flood Co., East St., Ded-  
ham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong  
field grown clumps, \$2.00 per 100, or \$17.50  
per 1000. Geo. A. Dhonau, East Walnut  
Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NEW RED HELENIUM**

Frederic J. Ren, Norwood, Mass.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Bay State Nurseries, N. Abington, Mass.  
Ornamental Trees.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

P. Ouwerkerk, 218 Jane St., Weehawken  
Heights, N. J.

For page see List of Advertisers

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca  
Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

Red Rose Farms & Nurseries,  
G. C. Watson, Trustee,  
839 Market St., Philadelphia.  
Clearing Sale of Shrubbery.

Samuel C. Moon, Morrisville Nurseries,  
Morrisville, Pa.  
Norway and Sugar Maples.

American Nursery Co., 150 Broadway, New  
York, N. Y.

TREES, SHRUBS, ROSES, EVER-  
GREENS, PEONIES, HARDY PLANTS.  
ELLWANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.

Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.

For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.

Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse  
lead; Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries.  
Roselindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th St.,  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Augustus Zirngelbel, Needham, Mass.  
For page see List of Advertisers.

Pansies, extra fine giant flowering, strong  
plants, 30 cents per 100; \$2.50 per 1000.  
Edw. Wallis, Atco, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAS**

Leonard Seed Co., Chicago, Ill.  
Alaska and Horsford Pea Deliveries.  
For page see List of Advertisers.

**PEAT**

Wm. Mathews, Utica, N. Y.

Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat,  
Leaf-Mould, Live Sphagnum moss, Baled  
Sphagnum moss, Green Clump moss, etc.  
Jobbers' list on application. C. W. Brown-  
ell & Co., Walden, N. Y.

**PEONIES**

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

Samuel C. Moon, Morrisville Nurseries,  
Morrisville, Pa.

For page see List of Advertisers.

Wholesale Peony list for fall 1908 is now  
ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America.  
Send 25 cts. in stamps for new edition of  
Peony Manual. C. S. Harrison's Select  
Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manuel.  
Fine mixed phloxes \$2.00 per 100. C. S.  
Harrison's Select Nursery, York, Neb.

Phlox Perennial. Three best whites in  
existence. Strong field plants of Madame  
Lingard and Mrs. E. E. Jenkins, \$40.00 per  
1000, \$5.00 per 100, 75c. per doz. F. G.  
Von Lassburg, \$6.50 per 100, \$1.00 per doz.  
Palsades Nurseries, Sparkill, N. Y.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and  
26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 25 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and  
Wrought Pipe, Valves, Elbows, Pipe Hooks,  
Automatic Air Headers, etc. Lord &  
Burnham, 1133 Broadway, N. Y.

**For List of Advertisers See Page 593**



**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp.  
\$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**PRIVET**

800,000 Cal. Privet, 2 years old, 2½ to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schuiz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMullin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

**RHUBARB AND ASPARAGUS FOR FORCING**

Warren Shinn's Nurseries, Woodstown, New Jersey.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.  
Rose Newport Fairy.

M. H. Walsh, Woods Hole, Mass.  
Rambler Roses for Forcing.

Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Roses, strong, own root, 4 inch Chateau, Killarney, Richmond and Maid, \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEEDS**

1. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.

For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Richards Bros., 87 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.

Mignonette Seed.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.  
For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SMILAX**

Smilax, strong, bushy plants, 2½ in. pots, \$2.00 per 100. D. H. Ruthrauff, Seneca Falls, N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

We have our large stock of fresh, clean, Sphagnum, Leaf Mould, Orchid and Rotted Peat. Can supply any amount wanted, best quality only, at reasonable prices. Write for samples and prices. American Moss & Peat Co., Box 6, Waretown, N. J.

We have a large stock of fresh gathered sphagnum. Sample bale shipped on request to prove the quality and quantity. The Ocean Co., Moss & Peat Co., No. 11, Waretown, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TOBACCO STEMS**

W. C. Beckert, North Side, Pittsburgh, Pa.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.

For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

**VERONICA**

Longifolia Subsessilis (Blue Jay Flower), the best of all hardy plants for cutting or bedding. Extra strong field clumps, \$8.50 per 100, \$1.00 per doz. First size field plants, \$5.50 per 100, 80c. per doz. Strong field plants, \$4.50 per 100, 60c. per doz., \$35.00 per 1000. Palisades Nurseries, Spar-kill, N. Y.

**WIRED TOOTHPLICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Ujfalussy, 136-138 W. 28th St., New York.

Florists' Wire Designs and Supplies.

For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

For page see List of Advertisers.

J. A. Budlong, 87-89 Randolph St., Chicago.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— Continued

#### Detroit

Michigan Cut Flower Exchange, 38 and 40  
Broadway, Detroit, Mich.  
For page see List of Advertisers.

#### Minneapolis

Elce Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

#### New York

J. S. Fenrich, 110 W. 28th St., New York.  
For page see List of Advertisers.

Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New  
York.  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York  
For page see List of Advertisers

A. H. Langjahr, 55 W. 28th St., New York  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York  
For page see List of Advertisers.

John J. Raynor, 49 W. 28th St., New York  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New  
York.  
For page see List of Advertisers.

Moore, Hentz & Nash 55 and 57 W. 28th  
St., New York.  
For page see List of Advertisers.

Wm. H. Knebler, 28 Willoughby St.,  
Brooklyn, N. Y.  
For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 28th St.,  
New York.  
For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.

Greater New York Florists' Association,  
162 Livingston St., Brooklyn, N. Y.,  
For page see List of Advertisers.

George Safford, 43 W. 28th St., New York.  
For page see List of Advertisers.

Frank Millang, 55-57 W. 28th St., New  
York.  
For page see List of Advertisers.

E. S. Slinn, 55-57 W. 28th St., New York.  
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.

Growers' Cut Flower Co., 30 W. 28th St.,  
New York.  
For page see List of Advertisers.

#### Philadelphia

W. E. McKissick, 1618-1621 Ranstead St.,  
Philadelphia, Pa.  
For page see List of Advertisers.

Leo Nielsen Co., 1209 Arch St., Philadel-  
phia, Pa.  
For page see List of Advertisers.

The B. S. Pennock-Meehan Co., 1808-18  
Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

#### Pittsburg

J. B. Murdoch & Co., 714 Penn Ave., Pitts-  
burgh, Pa.  
For page see List of Advertisers.

#### St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers

### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St.,  
New York.  
For page see List of Advertisers.

### WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### AZALEAS FOR FORCING.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

### BOSTON LETTUCE PLANTS.

R. Vincent, Jr., & Sons Co., White Marsh,  
Md.  
For page see List of Advertisers.

### BULBS.

The F. R. Pierson Co., Tarrytown on Hud-  
son, N. Y.  
For page see List of Advertisers.

### DROP IN BULBS.

W. Elliott & Sons, 42 Vesey St., New  
York.  
For page see List of Advertisers.

### FERN AND BERRY GLOBES.

Robert Kift, 1725 Chestnut St., Phila-  
delphia.  
For page see List of Advertisers.

### GREEN GALAX, HOLLY, KALMIA.

W. M. Woodruff & Son, Lowgap, N. C.  
For page see List of Advertisers.

### HARDY FERNS.

G. J. Walker, Savoy Centre, Mass.  
For page see List of Advertisers.

### HOLIDAY PLANTS.

Geo. A. Kuhl, Pekin, Ill.  
For page see List of Advertisers.

### LILIUM GIGANTEUM.

Ralph M. Ward & Co., 12 West Broadway,  
New York.  
For page see List of Advertisers.

### LILY OF THE VALLEY PIPS.

Hjalmar Hartmann & Co., 12 Storgade,  
Copenhagen, Denmark.  
For page see List of Advertisers.

### PLANT TUBS.

Henry A. Dreer, 714 Chestnut St., Phila-  
delphia.  
For page see List of Advertisers.

### SHOWER MAKER: GARDEN AND LAWN SPRINKLER.

Joseph Kopesay, So Bend, Ind.  
For page see List of Advertisers.

## Fall Business

WILL BE

## Just What You Make It

We have room for your Ad-  
vertisement. Anything from  
Cent a Word in Buyers Direc-  
tory to a Double Page An-  
nouncement.

If you want Fall Business  
Get Busy NOW.

### A NEW CHICAGO ENTERPRISE.

Bauler Bros. is the name of a new  
firm in Jonesville, Mich. Joseph  
Bauler had charge of the greenhouses  
of the Guardian Angel Orphan Asy-  
lum in Chicago, and his brother,  
Nicholas Bauler, was an employee at  
Vaughan's Seed Store. They will have  
greenhouses and a retail store and ex-  
pect to grow enough for their own  
trade and also to ship to the Chicago  
market. Miss Gunderburg, of the  
Flower Growers' Market, will handle  
their stock. Miss Gunderburg is said  
to be the only woman in the U. S. in  
the flower commission business.

**DREER'S** Plant Tub  
Florist Specialties.  
KEYSTONE CEDAR  
PLANT TUBS.

	1 in.	Each	Box	1 in.
A 11	in.	.05	7.15	55.00
B 12	in.	.75	8.25	65.00
C 13	in.	.85	9.35	75.00
D 14	in.	1.00	11.00	90.00
E 15	in.	1.25	14.75	110.00
F 16	in.	1.50	16.50	130.00



Three largest sizes have  
handles

### Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green.

HENRY A. DREER,  
714 Chestnut Street,  
PHILADELPHIA, PA.



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 3 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 4 " " " "	5.25	60 8 " " " "	3.00
1500 5 " " " "	6.00	<b>HAND MADE</b>	
1000 3 " " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 " " " "	5.80	48 10 " " " "	4.80
500 4 " " " "	4.50	24 11 " " " "	3.60
320 5 " " " "	4.51	24 12 " " " "	4.80
144 6 " " " "	3.16	12 14 " " " "	4.80

Seed pans, same price as pots. Send for price list of  
Cylinders for Cut flowers, Hanging Baskets, Lawn  
Vases, etc. Ten percent. off for cash with order. Address  
Bilfinger Bros., Pottery, Fort Edward, N. Y.  
August Reiker & Sons, Agts., 81 Barclay St., N. Y. City.

## Standard Flower.. POTS

If your greenhouses are within 500 miles of  
the Capital, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

## List of Advertisers

	Page		Page
Advance, The Co.	595	McKellar Charles W.	584
American Nursery	579	McKissick, W. E.	584
Aschmann Godfrey	567	McManus Jas.	586
Atlanta Floral Co.	582	Meyer J. C. & Co.	583
Barker F. Cecil & Co.	587	Michell H. F. Co.	581-593
Bambrick Thos. H.	593	Michigan Cut Flower	
Barrows H. H. & Son	567	Exchange	587
Bassett & Washburn	566	Millang Bros.	586
Bayersdorfer H. & Co.	583	Millang Frank	586
Bay State Nurseries	579	Mitting, A.	581
Becker W. A.	587	Moninger J. C.	594
Beaven E. C.	580	Moon Samuel C.	586
Berning H. G.	587	Moore, Hentz & Nash	586
Bobbink & Atkins	579	Moore-Livingston Co.	583
Boddington A. T.	581	Morse C. C. & Co.	581
Boston Florist Letter		Murdoch J. B. & Co.	584
Co.	583	Murray Samuel	582
Boston Plate and Win-		New England Nur-	
dow Glass Co.	594	series	566
Bostrom-Brady Mfg.		Niessen Leo. Co.	584
Co.	585	North Carolina Ever-	
Breck Joseph & Sons	581	green Co.	584
Brettmeyer's J. Sons	582	Oechlin Fraak	567
Bridgeman's Seed		Ordonez Bros.	577
Warehouse	581	Ouwkerk P.	579
Budlong J. A.	584	Palethorpe P. R. Co.	593
Burpee W. A. & Co.	581	Park Floral Co.	582
Carrillo & Baldwin	577	Parshelsky Bros.	594
Castle Co.	594	Payne John A.	594
Chicago Carnation		Pennock-Meehan Co.	584
Co.	566	Perkins St. Nurseries	567
Clarke's David, Sons	582	Pierson, A. N.	567
Clary's Horticulture		Pierson F. R. Co.	568
Co.	579	Pierson U Bar Co.	596
Cotsonas Geo. & Co.	587	Poehlmann Bros. Co.	584
Cowee W. J.	587	Pratt B. G. Co.	593
Craig, Robt. Co.	566	Pulverized Manure Co.	580
Crawback Geo. W.	587	Quaker City Machine	
Dingee & Conard Co.	566	Co.	595
Doane Geo. B. & Son	593	Raynor John L.	586
Dorner F. Sons & Co.	566	Rea Frederic J.	579
Dreer H. A.	567-592-594	Reed & Keller	587
Dunlop John H.	582	Reinberg Peter	584
Dysart R. J.	583	Ribsam Carlman	579
Edwards Folding Box		Rice Bros.	584
Co.	584	Rickards Bros.	581
Elliott Wm & Sons	580	Robinson H. M. & Co.	584
Elm City Nurs'y Co.	566	Rock Wm. L. Flo. Co.	582
Euler J. G.	595	Roehrs Julius Co.	577
Ernest W. H.	592	Roper Albert	566
Eyres	582	Roland, Thomas	566
Farquhar R. & J. Co.	580	Rolker August & Sons	592
Fenrich J. S.	586	Rose Hill Nurseries	567
Fiske, H. E. Seed Co.		Salford Geo.	586
	581-593	Sander & Son	577
Foley Mfg. Co.	595	Schultheis Anton	566
Ford Bros.	586	Schulz Jacob	583
Froment H. E.	586	Scott, John	567
Galvin Thos. F.	582	Sharp, Partridge & Co.	594
Greater N.Y. Florists'		Sheridan W. F.	586
Association	587	Siggers & Siggers	595
Grey T. J. Co.	581	Simpson Robt.	580
Growers' Cut Flower		Situations & Wants	593
Co.	586	Slinn B. S. Jr.	586
Gude Bros. Co.	582	Smith Elmer D. & Co.	579
Guttman Alex. J.	586	Smyth Wm. J.	582
Hall Asso.	595	Standard Plate Glass	
Hartmann Hjalmar &		Co.	594
Co.	581	Stearns A. T. Lumber	
Hauswirth M. C. & J. E.	582	Co.	595
Heacock Joseph	568	Stump & Walter Co.	593
Herbert David & Son	568	Thorburn J. M. & Co.	581
Hews A. H. & Co.	592	Totty Chas. H.	566
Hilfinger Bros.	592	Traendly & Schenck	586
Hill, The E. G. Co.	566-577	Troy J. H.	566
Hoffman	583	Twomey D. J.	566
Horan E. C.	586	Valentine, J. A.	582
Houghton & Clark	582	Vincent R. Jr. & Sons,	
Hunt E. H.	593		566-580
Kervan The Co.	587	Walker G. H.	587
Kessler, P. F.	586	Ward R. M.	577
Kift Robt. F.	578	Waterer John & Sons	579
King Cons. Co.	594	Weathered Co.	596
Klokner Alexander	594	Weber F. C.	582
Kopcsay Jos. C.	559	Welch Bros.	584
Kroeschell Bros. Co.	595	Weitzel & Ujfalussy	587
Kuebler Wm H.	587	Whilldin Pottery Co.	592
Kuhl Geo. A.	568	Wilson	582
Lager & Hurrell	577	Winterson, E. F. Co.	584
Langjahr, Alfred H.	581	Wittbold Geo. Co.	568
Leonard Seed Co.	580	Wood Br.	579
Leuthy A. & Co.	567	Woodruff W. M.	587
Lord & Burnham Co.	596	Woodrow, Sam'l A.	587
Lutton W. H.	595	Yokohama Nursery Co.	58
Manda Jos. A.	577	Young A. L.	587
MacMulklin E. A.	582	Young John	587
Mathews Wm.	577	Young & Nugent	582
McCarthy N. F. & Co.	587	Zangen O. V.	581
McConnell Alex.	582	Zinn Julius A.	582
		Zirngiebel A.	597
		Zvolanek A. C.	581

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

## SITUATIONS WANTED

WANTED SITUATION—As forester or park foreman. Good references. Address B. care HORTICULTURE, 11 Hamilton Place, Boston.

WANTED—Situation as assistant or second man in commercial place; experienced in carnations and general florists' stock. Can furnish best of references from well-known establishments. Address J. L., care HORTICULTURE.

FARM SUPERINTENDENT—Situation wanted as superintendent of large farm; I can prove highest reliability and qualifications as Landscape Gardener, Nurseryman, Arboriculturist, Forester, Fruit Grower, Gardener, Farmer and live stockman. Being thoroughly familiar with this business, I can produce most beneficial results from given number of laborers. Married, no children. Please state salary, location of farm, etc. Address "Landscape," 464 Main St., Poughkeepsie, N. Y.

## FOR SALE

FOR SALE—2 Cunningham Boilers built for greenhouse heating. 48 in. x 17 ft. 2 in. Will sell cheap. For particulars apply to F. H. Haskell, 85 Ames Building, Boston.

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

FOR SALE—200 Rock Maples, 2 1/2 to 3 1/2 in. caliper, 90c. each; 300 Norway Maples, 3 1/2 to 4 1/2 in. caliper, \$1.50 each; 500 Norway Spruce, 2 to 3 ft., 25c. each; 150 Norway Spruce, 4 ft., 35c. each; 200 Arbor Vitae, 6 to 7 ft., 40c. each; Blue Spruce, 4 to 5 ft., \$2.00 each. All stock to be transplanted. Blackberry, Raspberry and Strawberry plants, low prices. A. L. Gilbert, 40 Homer St., Springfield, Mass.

## MISCELLANEOUS

WANTED—A lot of second-hand flower pots, 3, 3 1/2, 4. Address H. care of HORTICULTURE.

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

## DON'T NEGLECT FALL SPRAYING!

Now is the time to prepare to use

## "SCALECIDE"

We guarantee it to kill San Jose Scale and all soft-bodied sucking insects. It also contains fungicidal properties.

GREATEST EFFECTIVENESS  
LEAST LABOR AND EXPENSE

Endorsed by leading Horticulturists, fruit growers and Experiment Stations. Write today for Booklet W. and full particulars and FREE sample.

B. G. PRATT CO., Mfg. Chemists,  
50 Church St., NEW YORK

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quantity for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. for \$1.25, 25 lbs. for \$2.50, 50 lbs. for \$4.00, 100 lbs. for \$7.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

Is Your Name In The Above List? If Not, Why Not?

### GREENHOUSES BUILDING OR CONTEMPLATED.

Peoria, Ill.—M. Gunter, one house.  
Chardon, O.—William Sked, one house.

Wheaton, Ill.—E. T. Wanzer, house 20x50.

Boone, Iowa. J. Loehrer, one house.

Kutztown, Pa.—F. N. Baer, range of houses.

Westford, Mass.—James Skinner, one house.

Silver Lake, N. H.—David Knowles, one house.

Oakhurst, N. J.—W. D. Robertson, two houses.

N. Abington, Mass. W. J. Brown, conservatory.

Chicago, Ill.—Edward Schelski, house 15x100.

Malden, Mass.—Jas. J. McCormack, range of houses.

Lake Geneva, Wis.—E. E. Ayer, range of houses.

Bowling Green, O.—Mercer Floral Co., two houses.

Piedmont, Calif.—Carlson & Sandkuhle, house 15x50.

Pendleton, Ore.—Mrs. E. Jewell, carnation house 20x120.

Henderson, Ky.—Morgan Floral Co., two houses 21x200 each.

New York, N. Y.—Mrs. E. P. Delafield, conservatory, 12x34.

Providence, R. I.—E. J. Johnston, carnation house 30x150; William Hay, rose house 40x350.

South Manchester, Conn.—H. A. Nettleton & North, two vegetable houses, each 30x65.

### PATENTS GRANTED.

901,402. Lawn Mower. Joseph Watson, Obion, Tenn.

901,523. Quack Grass or Weed Exterminators. Alva G. Ham, Rochester, Minn.

901,661. Fern Dish or Display Receptacle. Vincent P. Tompkins, Hoboken, N. J.

901,806. Combined Road-Grader and Harrow. Hamilton D. Guffey, Unionville, Mo.

901,820. Weed Puller. Gustaf N. Nelson, Denver, Colo.

901,843. Folding Poultry Roost. Edward A. Sigler, Coleman, Mich.

901,868. Seed Cabinet. Thomas A. Bateman, Springfield, Mo.

### INCORPORATED.

Nacogdoches, Tex.—Angelina Orchard Co.; C. H. Felt, J. C. Harris, H. S. Potter, Jr., H. F. Curtis, C. M. Conant; capital, \$200,000.

Springfield, Ohio.—Schmidt & Botley Co.; C. W. Adams, A. G. and A. B. Schmidt, R. H. Botley; capital, \$25,000.

**BOSTON PLATE & WINDOW GLASS CO.**

**GREENHOUSE GLASS**

German and American

261 to 287 A St., Boston 20-22 Canal St.

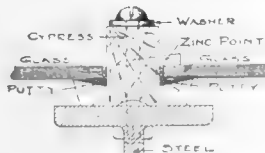
**GREENHOUSE CONSTRUCTION**

**LUMBER**

**John C. Moninger Co.**

117 E. Blackhawk St., CHICAGO.

## The Payne Steel "T" Bar Greenhouses



**The Lightest      The Strongest**

Half full Size

HOUSES of this type are constructed with both curved glass eaves and straight glass eaves. Least amount of shadow. Least amount of wood. No drip. Greatest durability.

**JOHNA. PAYNE**

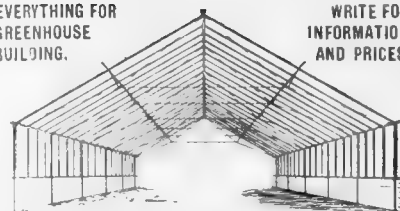
Greenhouse Designer and Builder

260-274 Culver Avenue

**JERSEY CITY, N. J.**

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses      King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.

Trussed Iron Frame Houses.

Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**

NORTH TONAWANDA, N. Y.

**GREENHOUSE  
GLASS**

**JOBBERS AND DEALERS IN  
Plate and Window Glass**

Write for Our Prices

**PARSHELSKY BROS.**

59 Montrose Ave., BROOKLYN, N. Y.

## The CASTLE SPECIALTIES

For full description of the **AUTOMATIC CIRCULATOR** and the **CASTLE TUBE AND PIPE COUPLING** for Steam or Hot Water, see issue of **HORTICULTURE** for September 26. The Coupler is the simplest device for repairing a defective pipe and makes at once a **Flexible Expansion Joint**. Sample Couplers forwarded at 50c each.

**THE CASTLE COMPANY**

Heating Engineers

170 Summer St., Boston

**STANDARD PLATE GLASS CO.**

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

**FRENCH OR AMERICAN GREENHOUSE GLASS**

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

**GLASS**

**Always Write Us Before Buying**

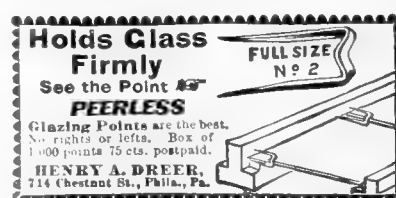
**SHARP, PARTRIDGE & CO.**

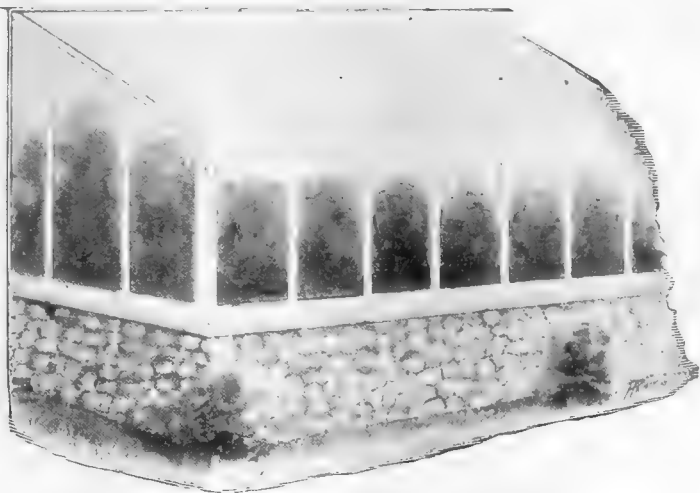
22nd and Lumber Streets, CHICAGO

**WE HAVE SOME SNAPS**



TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY  
100 lights saved for \$1.00. Ask your dealer or  
address A. KLOKNER, Wauwatosa, Wis.



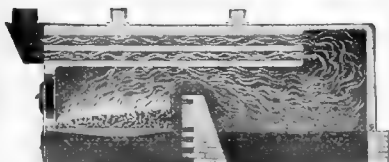


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural  
Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made  
SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Are you willing to be shown that we have the best line on the market? Write us and we will gladly give you net prices and tell you how to ascertain just what our line will do at the least cost to you. Deeds and not words, results and not theories is what you want—a neat, stronger, easier operated machine and one much easier erected is what you want. Get our new printed matter.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam,  
Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making  
of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

### FOLEY VENTILATING APPARATUS IS THE BEST

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS 82 feet or longer HOT BED SASH PECKY CYPRESS BENCH LUMBER

## GREENHOUSES ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw  
it in HORTICULTURE."



Awarded diploma and medal,  
1907, for the celebrated  
Shower Maker, \$1.00  
Dealers and jobbers, ask for sam-  
ple, price and electros for catalogs.  
JOSEPH KOPCSAY, South Bend, Ind.

## PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

### SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three  
times the power of old style elbow arms.  
Sold only with Evans Challenge Machine.

Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

**The FLORISTS' HAIL ASSOCIATION  
OF AMERICA**, insurer of 29,000,000  
sq. ft. of glass. For particulars address  
**John G. Esler, Sec'y, Saddle River, N.J.**



## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

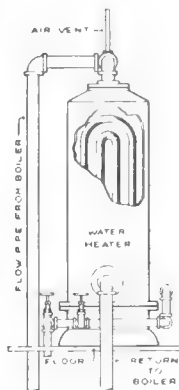
### WEATHERED COMPANY

IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789 NEW YORK CITY, N. Y.

## WARM WATER FOR SPRAYING



We have a Water Temperer made especially for warming spraying water, etc. in greenhouses. It takes up very little space and can be readily connected by your own men. You will find it fully illustrated and described on page 77 of our Handy Hand Book. If you haven't the book, send for it.

LORD & BURNHAM CO.

MAIN SALES OFFICE:

1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## Take This U-Bar Palm House, for Instance

and you can see at once how decidedly more effective this curvilinear, circular house is than a square shaped affair, or even one with octagon corners, would be. Fact is, the U-Bar is the only construction that can be used in building a successful circular palm house — it is the most adaptable construction of the day. It is the ideal construction for private estates, parks, public institutions and florists' show rooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

# HORTICULTURE

Vol. VIII.

NOVEMBER 7, 1908

No. 19



CHRYSANTHEMUM VIRGINIA POEHLMANN

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER,  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*

# GERANIUMS

We have the largest collection of Geraniums in this country, and an immense stock ready for immediate shipment, in first class condition, from 2 in. pots. We have all the best Standards at \$2.00 per 100, \$18.50 per M and up to the newer varieties and novelties.

We offer 1000 in 20 good distinct varieties, our selection for \$18.50, cash with order. We have made a specialty of these collections for a number of years and they have given general satisfaction.

**WRITE US YOUR GERANIUM WANTS** and we will make you very interesting special prices, for immediate or future delivery. Send for our New Price List for 1908-1909. Our Descriptive Catalogue will be issued about Dec. 10th.

**HARDY CHRYSANTHEMUMS**, 2 in. pots, last spring stock, Extra strong, splendid assortment, \$2.00 per 100.

**LEMON VERBENA**, 40c a doz., \$2.00 per 100.

**RUBBER, Ficus Elastica**, good top cuttings, well rooted, \$1.50 a doz., \$10.00 per 100.

**R. VINCENT JR. & SONS CO., White Marsh, Md.**

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION

## O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

**PRICES**  
Rooted Cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 500, 35 00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL**

## NEW CARNATIONS 1908-1909.

**THE CREAM OF THE NOVELTIES. YOU WILL WANT THEM ALL.**

MRS. CHAS. KNOPP, Parker, Better and Freer than Enchantress.  
RUBY, The Scarlet Crimson. Send for Description. \$12.00 per 100; \$100.00 per 1000.  
LAWSON-ENCHANTRESS, Enchantress with the Lawson Color. A Success Wherever Grown  
SARAH HILL, The Grandest Winter Flowering Variety Sent Out in Recent Years.

We have good stock of these varieties and can make early delivery.  
\$5 00 per 100. \$50.00 per 1000.

**CHARLES KNOPP FLORAL COMPANY, RICHMOND, IND.**  
Formerly the B. K. & H. Floral Co.

## CARNATIONS

Winona, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

**F. DORNER & SONS CO.**  
La Fayette, Ind.

**ANDREW CARNEGIE  
SCARLET HARLOWARDEN**

**FINE PLANTS**

**\$12.00 per 100, \$100.00 per 1000**

**CHICAGO CARNATION CO.**

A. T. PYFER, Mgr. JOLIET, ILL.

## CHAS. H. TOTTY

## Chrysanthemums

**MADISON, N. J.**

### CYCLAMEN GIGANTEUM

5, 6 and 7 in. pots—50c, 75c, and \$1.00 each.

Extra heavy stock of the very best quality.

**Thomas Roland,**

**Nahant, Mass.**

## Troy's WANT Corner

### WANTED

**LARGE SHADE TREES.**

**8 to 10 in. caliper.**

**Transplanted.**

Write giving full particulars to

**J. H. TROY,**  
24 East 34th St., NEW YORK CITY.

## CHRYSANTHEMUMS

**All Leading Varieties**

**Old and New.**

**ALL IMPORTANT TYPES**

**Domestic and Foreign**

**Pompons, Anemones and Singles**

Will be on exhibition at the  
National Flower Show at Chicago,  
November 6th to 14th

BY

**ELMER D. SMITH & CO.**

Successors to Nathan Smith & Son

**ADRIAN, MICH.**

## NEWPORT FAIRY

**THE ROSE OF THE FUTURE FOR IN AND OUT DOOR.**

**Fine, Strong, Field-Grown Stock**

**3—4 Shoots 3—4 ft. long**

**50c each, \$30 per 100, \$250 per 1000**

**JULIUS ROEHRS & CO.**

**RUTHERFORD, N. J.**

**New Roses,  
Chrysanthemums,  
Carnations, Geraniums.**

Send for Price List

**The E. G. HILL CO., Richmond, Ind.**

## ROSES

**A SPECIALTY**

**The Dingee & Conard Co. West Grove PA.**

## ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS**

**COLLEGE POINT, NEW YORK**

**GRAFTED ROSES****Special Bargain Sale**

EXTRA FINE STOCK

Killarney, Carnot, Bride, Bridesmaid

From 3-inch Pots.

\$2.00 per doz. \$12.00 per 100. \$50.00 per 1000

RICHMOND, BRIDE, BRIDESMAID,  
From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000.

WOOD BROTHERS, Fishkill, N.Y.

In ordering goods, please add "I saw  
it in HORTICULTURE."**ORCHIDS**Largest Importers, Exporters, Growers  
and Hybridists in the WorldSander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY**IMPORTED ORCHIDS**

Arrived in Superb Condition

Vanda coeruleas, Cattleya Trianae,  
Cattleya gigas Sanderiana, Cattleya  
Schroederiae, Oncidium varicosum.

JULIUS ROEHRS CO., Rutherford, N. J.

**ORCHIDS**

Fresh shipments arrived in superb condition

Cattleya gigas (True Hardyana type).  
Cattleya Schroederiae, C. Trianae, C. Trianae To-  
payiana var. Laelia Digbyana, Oncidium  
Kramerianum, Miltonia Vexillaria, Peristie-  
ria elata (Dove orchid) and Odontoglossum  
Harryanum and Sceptrum. Write for prices.

LAGER &amp; HURRELL, Summit, N. J.

**ORCHIDS**

Orchid Baskets and Peat

Write for Prices

JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.**ORCHIDS**Our importation has arrived In Perfect Condition  
C. Gigas Sanderiana, C. Percivaliana,  
C. Gaskelliana, C. Mossiae.

Expect C. Mendelli shortly.

ORDONEZ BROS., Madison, N. J.

**ORCHIDS**Our latest importations have been, Cattleya Chrys-  
otoxa, Cattleya Gaskelliana, Cattleya Gigas,  
(Hardyana district), Phalaenopsis Amabilis Schil-  
leriana and others. We will receive in a short  
time, Cattleya Dowiana, Miltonia Vexillaria and  
others.CARRILLO & BALDWIN  
SECAUCUS, N. J.**Fine Quality Orchid Peat**25-bbl lots.....80c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmunda roots.

WM. MATHEWS, - Utica, N. Y.

**ZIRNGIEBEL'S FINE STRAIN**OF  
**PANSY PLANTS**NOW READY. Known for a quarter of a  
century. \$4.00 per 1000, 50 cents per 100.

AUGUSTUS ZIRNGIEBEL,

Cash with the order. NEEDHAM, Mass.

**DREER'S SPECIAL OFFER**  
OF  
**Bay Trees, Boxwood AND Aucubas****Bay Trees (Laurus Nobilis).****Standard or Tree-Shaped.**We offer a recent importation of excellent  
trees of exceptional good value, dense bushy  
heads, of rich dark-green.

High.	Diameter.	Each.
Stems, about 45 in. . . . .	crowns, 24 to 26 in. . . . .	\$6.00
" " 45 in. . . . .	" 26 to 28 in. . . . .	7.50
" " 45 in. . . . .	" 30 to 32 in. . . . .	10.00
" " 45 in. . . . .	" 34 to 36 in. . . . .	12.50
" " 45 in. . . . .	" 40 to 42 in. . . . .	15.00

**Dwarf Standards.**

High.	Diameter.	Each.
Stems, about 24 in. . . . .	crowns, 15 in. . . . .	\$2.00
" 28 to 30 in. . . . .	" 20 to 22 in. . . . .	4.00
" 30 in. . . . .	" 24 to 26 in. . . . .	6.00

**Pyramidal Shaped.**

High.	Diameter at Base.	Each.
3 feet . . . . .	16 inches . . . . .	\$2.00
4½ " . . . . .	24 to 26 " . . . . .	6.00
5 " . . . . .	26 to 28 " . . . . .	7.50
6 " . . . . .	30 " . . . . .	10.00
6 " . . . . .	32 to 34 " . . . . .	12.50
7 " . . . . .	38 to 40 " . . . . .	15.00

**Pyramid-Shaped Box.**

Good, Shapely Specimens of good value.

High.	Diameter at Base.	Each.
30 to 36 inches . . . . .	15 inches . . . . .	\$2.00
40 to 42 " . . . . .	16 to 18 " . . . . .	2.50
48 to 50 " . . . . .	18 to 20 " . . . . .	4.00
54 to 60 " . . . . .	20 to 22 " . . . . .	5.00

**Standard or Tree-Shaped Box.**

High.	Diameter.	Each.
Stems, 20 to 24 in. . . . .	crowns, 12 to 14 in. . . . .	\$1.25
" 20 to 24 in. . . . .	" 14 to 16 in. . . . .	1.50
" 22 to 24 in. . . . .	" 22 to 24 in. . . . .	3.50

**Bush-Shaped Box.**A nice lot of shapely, bushy, plants use-  
ful for decorative work, filling window  
boxes, etc.

High.	Per Doz.	Per 100.
10 to 12 inches . . . . .	\$2.00	\$15.00
12 to 15 inches . . . . .	3.50	25.00

**Aucuba Japonica.**

High.	Each.	Per Doz.
Very bushy plants, 12 in. . . . .	.30	\$3.00
" " 18 to 20 in. . . . .	.40	4.50
" " 24 in. . . . .	.60	7.00

A limited lot of specimen plants, very fine,  
\$8.00 each.For the most complete list of seasonable stock that can be offered at this season of the  
year see our current Wholesale Price List.

If you have not received a copy it will be mailed to you on Application.

**HENRY A. DREER, Inc.**

714 Chestnut St., Philadelphia, Pa.



PYRAMID BAY

**FRANK OECHSLIN** invites the visitors at the  
National Flower Show to**VISIT HIS GREENHOUSES**

and see his large stock of pot plants and how he handles his immense trade.

**Take Madison Street car west**transfer at car barns to 48th Ave. car. Get off at 50th. 5c. fare. Or  
Garfield Br. Metropolitan L. to 48th Ave., then 4 blocks north.

Several thousand Chrysanthemum plants in bloom, all the best varieties

**FULL STOCK OF OTHER PLANTS**

## HEACOCK'S PALMS

Order now while they can be shipped  
by freight saving heavy expressage.

Our stock consists of strong, healthy well  
established, home grown plants.

A visit to our Greenhouses will convince you, 25 minutes from  
Philadelphia, 50 trains each way every day.

Get your orders in early—it pays.

### WHOLESALE PRICE LIST

#### COCOS WEDDELLIANA

2 1/2 in. pot, 8 to 10 in. high.....	\$10.00
2 1/2 " " 10 to 12 " .....	15.00

#### KENTIA BELMOREANA

6 in. pot, 6 to 7 leaves, 18 in. high.....	\$6.00	50.00
5 " " " 20 " " .....	7.00	70.00
7 " " " 32 to 34 " " .....	2.50	
7 " " " 36 to 38 " " .....	3.00	
9 in. tub, " 42 to 48 " " .....	5.00	
" " " 50 to 60 " " .....	7.50	

#### KENTIA FORSTERIANA

6 in. pot, 6 to 7 leaves, 28 to 30 in. high.....	1.00	12.00
6 " " " 30 to 32 " " .....	1.25	15.00
6 " " " 34 to 36 " " .....	1.50	18.00

#### MADE-UP KENTIA FORSTERIANA

7 in. pot, 4 plants in pot, 34 to 36 in. high.....	2.50
7 " " " 36 to 38 " " .....	3.00
9 in. tub, 4 " 42 to 48 " " .....	5.00
" " " 4 feet high, heavy....	6.00

#### CIBOTIUM SCHIEDEI

7 in. pot, 2 1/2 ft. spread.....	2.00
9 in. tub, 4 to 6 ft. " .....	5.00

We call attention to our Kentia Belmoreana and  
Kentia Forsteriana in 7 inch pots and 9 inch tubs as  
being of extremely good value.

All measurements from top of pot.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Made up  
plant of  
Kentia  
Forsteriana

## BARAINS

in KENTIAS and other Decorative  
Plants, all sizes. Also the follow-  
ing at Lowest Import Prices. 15,000  
Azaleas, best commercial varieties, from  
\$25.00 per 100 to \$2.00 each. A fine lot  
of Rubbers, Crotons, Araucarias, Pandan-  
uses, Asparagus plumosa and Sprengeri.

### SMALL FERNS

for table decorative purposes at lowest  
wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums,  
Lorraine Begonias. Best stock in the  
country. Write for bargain prices.

**GODFREY ASCHMANN**

1012 West Ontario St., Phila., Pa.

## DAHLIAS.

Now is the time to  
place your order for  
bulbs which will insure  
you getting named var-  
ieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N.J.

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY ST. NEW YORK.  
LILIES  
PLANTS  
BAMBOO STAKES

## DECORATIVE PLANTS

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias,  
Latantias, Arecas, Etc. Perennials and Shrubs.

4 inch Araucarias.....50 cents each.	6 inch Araucarias.....\$1.00 each.
5 " " .....75 " " "	7 " " .....\$1.25 and \$1.50 "

### FERNS FOR DISHES.

SEND FOR OUR PRICE LIST.

WE HAVE A COMPLETE STOCK.

**The Geo. Wittbold Co.**

1657 Buckingham Place,

Chicago, Ill.

## FERNS FOR DISHES

**Assorted Varieties**  
From 2-in. pots, \$3.50 per 100;  
\$30.00 per 1000.

Primroses, Chinese — Nice assortment of colors. Strong Plants from 3 1/2 in. pots, \$6.00 per 100.

Primula Obconica, Fine stock, 2 1/2 in. pots, \$3.00 per 100.

Cash with Order.

**FRANK OECHSLIN,**

2570-2606 W. Adams Street, CHICAGO  
Formerly Garfield Park Flower Co.

## PALMS AND FERNS DECORATIVE PLANTS

**JOHN SCOTT**

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

**A. N. PIERSON, Inc.**

**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms  
and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and  
Carnations. We also grow a general assortment of  
flowers in their season

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.



## Early Flowering Chrysanthemums

Mr. Brown takes me to task in your last week's number for contradicting myself in regard to English early-flowering chrysanthemums, the difference being between my statement at a lecture in Boston a year and a half ago and my recent notes in the *Florists' Review*.

If Mr. Brown will read my notes of September 24th over again carefully he will find that I was not referring to the early-flowering varieties as that term is generally used, but to a new strain of early-flowering single varieties that Mr. Wells has on trial at present. If Mr. Brown will read my original notes again he will find that I first spoke of the early-flowering varieties meaning the double kinds and gave a list of the kinds that were in flower at that date, and then I passed on to the following paragraph.

"Early singles were represented also by many thousands of plants, a batch of seedlings being quite distinct. I do not think that these singles would flower so early with us, nor as a matter of fact do we want them, since we have no call for stock till the end of September, but I do not see why they should not be largely planted as border plants to flower outside when the early frosts have caught many of the tender bedding plants." That is the paragraph, Mr. Editor, and in the language of Patrick Henry, "If that be treason make the most of it."

To elaborate on this paragraph I would say that Mr. Wells has a new strain of early singles that are not yet on the market and it is to these singles that I was referring as possible useful border plants for us. Possibly my statements may not appear so contradictory with this explanation.

I see no reason to change my statement made before the Gardeners' and Florists' Club that the early-flowering double varieties are comparatively useless with us, judging from my own experience. It does not of course necessarily follow that because a plant will not do in New Jersey it will not do in Massachusetts, but it very frequently follows, nevertheless. My experience in this respect is similar to the experience of other importers who dropped them after one trial.

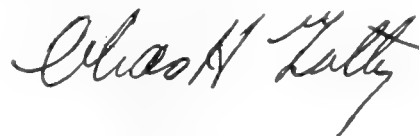
A recent note from W. N. Craig of North Easton mentions that he has had some splendid plants this season and that they were in ahead of any other chrysanthemums. I was very pleased to note this because if they will come they will be warmly welcomed, but to say that they will succeed all over the country, in the light of the knowledge we have, is too sweeping.

Personally I think that our hope for the future lies more in seedlings bred here from the early-flowering types than in importations. An instance of this is seen in Golden Glow which has made good all over the country as an August or September-flowering chrysanthemum. One of the parents of this variety was Carrie, an early-flowering English variety. By getting a start of native styles we may eventually be successful.

Some growers who got a very early bud on Golden Glow found that the flower wilted, as the stem got so hard that the water could not pass up through it so that Golden Glow has its limitations as regards earliness in different localities. It is entirely a question of climate as I see it; where the sun is so hot that the plants get hidebound success is impossible.

I am entirely in sympathy with all the good words Mr. Brown says in favor of the early-flowering kinds, but when he speaks of the profit to be derived from their

culture it is another story. Their usefulness is unquestioned, but there is not much money to be made on chrysanthemums before the end of September or early October. I cannot see how a market can be created in the large cities before the residents get back from the country, and most country florists find asters and such stock ample for the limited call they have at that season. Personally I am looking for a flood of Golden Glow next fall and the market to be glutted right from the first and I can only hope that I may be wrong in my surmise.



Madison, N. J.

## Seasonable Requirements of the Ornamental Evergreens

The summer and, so far, the autumn of 1908 have been noticeable for the absence of good soaking rains; we have not even had the heavy thunderstorms—except very locally—that are usual. High temperature and drouth are the conditions under which red spider and thrips luxuriate. I do not remember a season when these pests have been so abundant as they have this year among the deciduous trees. The oaks seem to have suffered most. It is, however, more particularly to the ornamental evergreen class that attention is directed, such as *Retinispora*, *Thuja*, etc. These mostly have a mass of somewhat fine fibrous roots, not far below the surface, and comparatively close to the base. Where attention to watering and mulching has not been given these have suffered from the drouth, aided by the red spider. Under these adverse conditions this class of plants can not pass through the winter unscathed. Just so soon as the ground is frozen solid, moisture is not available to the roots to supply the plant with that used by transpiration, which through the mass of leafage and the young twiggy wood during bright sunshine, often accompanied by keen drying winds, is much greater than is generally supposed. Thousands of this class of plants are ruined from this cause alone.

The rational means of preventing this loss is to be quite sure that the ground is thoroughly soaked, before freezing takes place, and then heavily mulched with any material except manure. The sap in this class of plants is not nearly so dormant in the winter season as it is often supposed to be. Evaporation takes place quite copiously sometimes, especially toward the spring while the ground is yet frozen solid, sometimes deeper than the roots of the plants extend. This loss from evaporation must be supplied to the plants from the roots by osmosis and unless conditions are such that this can take place the plants must suffer, hence it so often happens that plants which have passed through the winter succumb at this season. Plants when in the nursery rows shelter each other to a very considerable extent and snow remains longer among them by reason of the shade; it is where they are planted out singly or in small groups that the greatest harm is done, and this could be reduced to a minimum, if not entirely prevented by the simple precautions herein suggested.



Baltimore, Md.

# HORTICULTURE

VOL. VIII

NOVEMBER 7, 1908

NO. 19

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION Chrysanthemum Virginia Pochlmann.	
EARLY FLOWERING CHRYSANTHEMUMS—Chas. H. Totty.	601
SEASONABLE REQUIREMENTS OF ORNAMENTAL EVERGREENS N. F. Flitton.	601
INDOOR FRUIT CULTURE Wm. Downs.	603
A GLADIOLUS OF MERIT—Illustrated.	603
NEWS OF THE CLUBS AND SOCIETIES:	
Florists' Club of Philadelphia—Massachusetts Horticultural Society—American Rose Society—Chrysanthemum Society of America—Society of American Florists—Florists' Club of Washington—Buffalo Florists' Club—Club and Society Notes.	604
FOUR GREAT CHRYSANTHEMUMS—E. G. Hill—Illustrated.	605
THE EXHIBITIONS:	
Lenox Horticultural Society—Dutchess County Horticultural Society U. S. Department of Agriculture—Illustration.	606
Pasadena Gardeners' Association—Marin County Horticultural Society—Madison, N. J.	607
Pittsburgh—Local Flower Shows—Coming Events	608
NATIONAL FLOWER SHOW—Short Trips for Visitors.	610
SEED TRADE.	612
PHILIP BREITMEYER Portrait.	615
FLOWER MARKET REPORTS:	
Boston, Buffalo, Chicago, Detroit, Indianapolis, Philadelphia, Washington.	617
New York.	619
MISCELLANEOUS:	
A Hitchings House.	605
An Invitation.	605
Catalogues Received.	605
Philadelphia Notes.	605
Plant Imports.	605
Where the Red Flag Floats in Peace.	613
Incidents.	613
New Retail Flower Stores.	614
Business Changes.	614
Short Notes.	614
N. J. News.	614-619
An Anniversary Celebration.	615
Something New.	615
Portrait of a Florist.	615
Obituary Notices.	617
Obituary Notices contemplated.	626
Short Notes.	626

the result of the election was a most commendable demonstration of common sense on the part of the American people and the balance will surely agree that it promises well for a quickening into new life of our stagnated activities and a new impulse for the current of mercantile enterprise the stopping of which had so rudely interrupted the prosperity of all branches of commercial horticulture.

We give space gladly in this issue and in others of recent date to notices of the public displays of chrysanthemums and other greenhouse flowers which at this season of the year are given in the conservatories of philanthropic citizens of means or at the greenhouses connected with the public parks of many cities. Probably no public expenditure of equal amount goes further as an elevating and refining influence. The tremendous crowds which, as we all know, cannot be coaxed into a flower show of the prevalent type, but take fullest advantage of the park displays, afford sufficient evidence of popularity and, viewed in this light, there can be no doubt of the wisdom of providing the people with these gardens under glass with their sweetness and cheer during the dreary months when outdoor verdure is gone. A great public park system any where outside the limits of perpetual summer and lacking the adjunct of well-kept conservatories certainly falls far short of its possibilities for usefulness.

We take pleasure also in chronicling the little local shows given at their places of business by enterprising and public-spirited florists, as fall openings to attract the people and interest them in the products of floriculture. A closer acquaintance on the part of the people with the goods which the florist, seedsman or nurseryman have to offer is at all times to be desired and any prestige and stimulus to the business of the toiler in any department of horticulture deserves to succeed, from whatever standpoint we may view it. The man who has the will and the energy to undertake the extra labor and expense of turning his establishment into an attractive and well-advertised show place for a few days at this season of the year is the sort of florist HORTICULTURE likes to encourage. He is pursuing the right policy and is in no danger of annihilation by his rivals who neglect these wise means to an end to attract the notice and foster the good will of the community within their reach.

The aggravating conditions which have punished our flower growers so severely during the past few months seem to have a sort of counterpart on the other side of the Atlantic, where they attribute their distress principally to the extraordinary war conditions. We read in a London contemporary of the marketing of the markets with abnormal quantities of floral produce has brought about the downfall of prices in every section, "not a lessened demand but a less supply" and "at the hour of closing time yesterday, hundreds of boxes of such perishable stuff as cut biliums, valley, gladiolus and chrysanthemums were left unsold." "Ask me what prices flowers are fetching this morning," said a well-known flower dealer and I will tell you, any money that I can get." This remark sounds very familiar to one who has had occasion to traverse the wholesale flower markets in this city and has undoubtedly been uttered in almost identical words hundreds of times during the past few weeks in New York, Philadelphia and Boston. The buyer, if any, has been making the price of late.

Effect of  
the election

leaving no opening for apprehension, just as we do to have it, regardless of preferences, the national promptly and business men's activity in the land-prosperity. We are sure that our readers are satisfied that

## INDOOR FRUIT CULTURE.

Paper Read by William Downs before the  
Gardeners' and Florists' Club of  
Boston.

No doubt to many people it may seem unnecessary in this land naturally prolific in fruits to go to the trouble and expense of growing fruits in greenhouses. Still if we wish (at least in the greater part of this country) to get fruit of the highest order and greatest perfection, we must resort to some method whereby we can control the conditions as regards temperature, moisture and feeding, to achieve that measure of perfection so greatly desired by that critical part of the public who are always ready to pay the enhanced price for the superior article.

## Superiority of Forced Fruit.

Fruit growing is not as yet very extensively carried on in this country, but I venture to predict that in the future it will be to a much greater extent. And the ever increasing travel to the old world will play no small part in that growth. So many of our employers see, whilst over there, what is accomplished in the line of growing fruit in greenhouses and realize how much better flavored it is than the outdoor fruit, that they naturally want to have the same in their own gardens.

My employer said to me once that, previous to eating peaches from her greenhouse, she had never tasted one. She had eaten what were called peaches, but they were generally too hard and unripe, or overripe. Again, too, since forcing strawberries for the table, she does not care for the outdoor ones. A gentleman, this last summer, to whom we sent our forced strawberries, asked the name of them, as he had never eaten such. At that time he had the same variety in his own garden. While we must, I suppose, give the palm for general admiration to our beautiful flowers, still no doubt there is something in a well-grown house of grapes or peaches that no house of flowers can command. Perhaps it is best explained by the old saying, that "the nearest way to a man's heart is through his stomach."

## Side Uses of a Fruit House.

A point of objection sometimes taken is, that fruit houses are for a considerable part of the year of no service. This may be true if they are kept for fruit growing alone, (and right here I would say if they can be so kept so much the better), but with judicious care they can be made very serviceable in many ways. For instance, in the fall they can be used for finishing up bush chrysanthemums and storing other stock of that nature; again, in the spring many things can be brought along when starting up, so that they may be made as generally useful as almost any greenhouse, for any of them must necessarily be at some season or other nonproducing. Therefore on the whole, I think a fruit house as useful as any other greenhouse.

While no doubt the subject of in-

## A GLADIOLUS OF MERIT.



The flower shown (seedling 97), one of E. D. Thompson's productions, a seedling procured after seven years' crossing on Gladiolus May, is a much larger flower, pure white, suffused with carmine blush on outer ends of petals.

The brownish tinge on the two lower petals in May is entirely done away with. The color is even, not striped. Full earlier than May, and a strong spike. In intense sunlight, more color shows.

door fruit growing would include apples, plums, pears, etc., it is my purpose tonight to speak of those we more generally understand by the term—grapes, peaches, nectarines and strawberries,—these being the main crops so produced.

## Grapes.

The first consideration in the growing of grapes, is the structure, aspect, and location of the house. As regards the location an open, dry and well-drained piece of ground is necessary, for while you can and must make your house so that it can be perfectly drained, it is so much easier to do so when the ground is well drained naturally. As regards the aspect, I think a house running north and south, in the case of an even span, is best, for you then get sunshine all over the house at some part of the day. If it is to be a lean-to, a southern aspect would be the best, and while I have seen good crops and fine fruit in lean-tos, I should never advise building such a house. I think they are seldom built in these days, from economy if nothing else, as it costs as much if not more to build the wall as it does to erect the other half of the house.

Now right here I am going to mention a part of the subject with which I have had no experience and shall therefore not attempt to advise; but I bring it into this paper with the object of finding out if any one present has had any experience in that line,—namely growing grapes in a green-

house in the natural soil without any prepared border. I have heard of it being done, and it is practised in the Channel Islands, but their climate is not ours.

## The House and Border.

A house twenty-five feet wide makes a good serviceable one, and the matter of length must be left to meet the requirements, but generally from thirty to fifty feet, this giving all the fruit that can be used during its particular season, especially so in the case of early fruit, for any ordinary family.

The border is the next consideration and in regard to this there has been much discussion as to whether it shall be partly inside and partly out or altogether inside; my experience has been that it can be best taken care of and better control kept of it when altogether inside. Some, however maintain that with the outside border the vines will last longer, but unless great care is taken to keep the outside border well covered and warm at starting time, a very indifferent break will be the result. In very wet seasons sometimes, just when you need the minimum quantity of water, your border is getting soaked and cracked fruit is likely to result, as well as shank that most dreaded trouble of grapes. The border should be excavated to a depth of three feet and a layer of concrete six inches thick laid over it, sloping to a central point for drainage, the walls completing the receptacle for the border.

(To be continued.)

# NEWS OF THE CLUBS AND SOCIETIES.

## FLORISTS' CLUB OF PHILADELPHIA.

The meeting on election night was well attended although no special attraction was on the program. John A. Shellem exhibited his new ruby chrysanthemum "Maurice," also a yellow pompon, very rich and unique. The Moore-Livingston Co. exhibited their new plant stand both the galvanized and the oxydized copper patterns—and these were highly spoken of by the committee. Committees were appointed as follows: Club Room—D. Rust, E. C. Dunham, Geo. Craig, games—Wm. Graham, D. T. Connor, Wm. Robertson; membership—H. F. Michell, Chas. E. Mehan, W. E. McKissick; exhibits—Robert Kift, Leo Niessen, Jno. C. Gracey; novelties—Edwin Lonsdale, Robert Craig, J. W. Coltesh; entertainment—C. H. Grakelow, E. Bernheimer and Arthur Niessen. A smoker concert is contemplated for the first Tuesday in December, and an appropriation was made to help defray the expenses of same. Mr. Grakelow and his able helpers have started out to make this the banner year in fun and frolic, so that even the old pessimists like Adolphe Fahrenwald will feel that they have got their money's worth in belonging to the club. The games committee also promise big things in the near future.

## MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual meeting of the Massachusetts Horticultural Society for the election of such officers for the ensuing year as the by-laws require, and for the transaction of such other business as may be legally presented, will be held at Horticultural Hall, 300 Massachusetts avenue, Boston, at 11.45 A. M., on Saturday, Nov. 14, 1908. The officers to be elected are: A president, a vice-president (for two years), one trustee (for two years), four trustees (for three years), a nominating committee of five members.

The election will be by Australian ballot and the polls will be open continuously between the hours of twelve, noon, and four in the afternoon.

WILLIAM P. RICH,  
Secretary.

## AMERICAN ROSE SOCIETY.

President Poehlmann requests that any and all members of the American Rose Society who can, will attend a meeting of the Executive Committee to be held in the Coliseum, Chicago, on November 12th.

The officers for the National Flower Show for roses as appointed by President Poehlmann and filed with the secretary of the National Show are as follows: Robert Simpson, Wm. F. Gude, John N. May.

This Chicago show is calculated to be the most extensive and elaborate popular exhibition of the floral art ever held in the United States.

BENJAMIN HAMMOND,  
Secretary A. R. S.

## CHRYSANTHEMUM SOCIETY OF AMERICA.

### Work of Committees—Report on New Chrysanthemums.

No. 5. Yellow. Jap. Exhibited at New York, Oct. 24, 1908, by Howard Nichols, Yonkers, N. Y. Scored 81 points, commercial scale.

Pockett's Crimson. Jap. Color, bright crimson with gold reverse. Exhibited at New York, Oct. 24, 1908, by C. H. Totty, Madison, N. J. Scored 89 points exhibition scale.

Mrs. O. H. Kalm. Jap. Inc. Color, mahogany with old gold reverse. Exhibited at New York, Oct. 24, 1908, by C. H. Totty, Madison, N. J. Scored 87 points commercial, 85 exhibition scale.

Charles H. Totty. Jap. Color, bright mahogany gold reverse. Exhibited at New York, Oct. 24, 1908, by C. H. Totty. Scored 88 points exhibition scale.

Golden Harvest. Jap, slightly incurved. Color, bright golden yellow. Exhibited at Philadelphia, Oct. 26, 1908, by Gustavus A. Lotze, Glen Burnie, Md. Scored 90 points commercial, 85 points exhibition scale.

Mary Warrick. Jap. Ref. Color, light pink shading to white. Exhibited at Philadelphia, Oct. 26, 1908, by Warrick Bros., Washington, Pa. Scored 84 points commercial, 86 exhibition scale.

Yellow sport of Miller. Jap. Color, light yellow. Exhibited at New York, Oct. 29, 1908, by A. Herrington, Madison, N. J. Scored 86 points exhibition scale.

The name of variety Golden Harvest will have to be changed as there is a variety by that name already sent out in 1895 by the E. G. Hill Co.

President Loveless has appointed the following committee for Boston: Elijah A. Wood, chairman; James Wheeler and Wm. Nicholson. Ship flowers to Boston Flower Market, 1a Park St., care chairman.

DAVID FRAZER, Secretary.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### Freight Rates on Cut Flowers.

At the Niagara Falls Convention the Society of American Florists turned over to its Legislative Committee certain matters affecting the rates on empty packages and the cost of gross weight where ice is used. Mr. Edward Reid of Philadelphia, Mr. Alfred Langjahr of New York, Mr. Patrick Welch of Boston and Mr. Geo. Reinberg of Chicago have rendered efficient service in getting definite action together.

The American Express officials have given courteous assistance and the matter will soon be placed in the hands of Mr. Bradley, 65 Broadway, N. Y., the American Express Company's representative in the general board of Traffic Managers of the trunk line express companies.

BENJAMIN HAMMOND,  
Committee S. A. F. Legislative Committee

## FLORISTS' CLUB OF WASHINGTON.

Promptly at 7.30 o'clock on the night of Oct. 27th two special cars left the station at 12th and Penn. ave. having on board between 35 and 40 florists who were bound for the hospitable home of David Grillbertzer, about three-quarters of a mile out of Alexandria, where the regular meeting of the Florists' Club of Washington was to be held. The meeting was opened at 8.30 by Pres. Kramer, in the spacious parlors of Mr. Grillbertzer's home. The rooms were beautifully decorated in autumn leaves and chrysanthemums. Especial interest centered in the approaching chrysanthemum show. E. C. Mayberry was appointed chairman of the reception committee and John Robertson chairman of the award committee. All predictions point to a most beautiful exhibition. The show will open in the old Masonic Temple on Nov. 12th, and continue through the 15th, on the afternoon of which day there will be a sacred concert. The matter of the adoption of a universal scale of judging points was again taken up and discussed at much length. It was voted that each member submit his ideas of a scale of ratings, these to be forwarded to the National Committee by Nov. 3rd, hoping to have a general scale adopted whereby all table and mantle decorations and "set pieces" can be judged. After more discussion all were invited by the host to adjourn to the packing sheds where well-laden tables awaited the visitors.

An orchestra played during the collation. The walls were artistically draped and carnations, roses and chrysanthemums added their fragrance and beauty to the occasion.

## BUFFALO FLORISTS' CLUB.

The regular meeting of this club being held on the evening of Oct. 29, on account of the regular meeting falling on election eve, the attendance was smaller than usual, but considerable business matters were acted upon, especially the Flower Show and banquet which is to be held at the Iroquois Hotel on Nov. 18. The club extends an invitation to all florists, plantmen, nurserymen and gardeners. The committee is working hard to make this affair a grand success.

## CLUB AND SOCIETY NOTES.

The management of the Portland, Oregon, Rose Show festival held annually in June, has already started on its financial campaign for 1909 and has pledged for nearly \$10,000.

The Hingham Agricultural and Horticultural Society (Mass.) will hold their jubilee dinner on November 11. Ex-Gov. Long will preside. The chrysanthemum show will be omitted this year.

The Detroit Florists' Club held its annual fall outing to Mt. Clemens on Nov. 5th, leaving Detroit by special car at 9 a. m., and visiting the various greenhouse establishments in the Clemens

## A HITCHINGS HOUSE.

In these days when the product of the rose house goes a-begging and the pocket book of the grower gets more emaciated every day the attention of the wise manipulator is constantly fixed upon the problem of so regulating and directing his crops that when the good-time-coming has put in its appearance he will be ready to meet it with one of those luxuriant harvests from which the dollars stand wistfully ready to jump into his coffers. That was the trick our friend Eber Holmes at Montrose on the outer fringe of Boston's environs was trying to turn, when we looked in upon him the other day. "Cutting out the small wood to induce strong growths to start now for the holiday cut" said Mr. Holmes as he vigorously plied the knife.

It is a big establishment over which Mr. Holmes presides although it consists thus far of but two greenhouses. One of these is 32x500, the other 54x300 ft. The latter is of Hitchings construction, built two years ago and in the good-time-coming is to be extended to a length of 1100 ft. It is 25 ft. from the ground to the ridgepole and N. F. McCarthy, the opulent owner, declares it to be the limit of achievement to date in greenhouse building and a model of perfection, good enough to tie to for many years to come. It is of steel frame and every nut, bolt and foot-piece is electro-galvanized. Each support is imbedded in a cement base one foot square and three feet deep, and the arrangement of the ventilating apparatus is the ideal of convenience and accuracy.

What are grown in the houses? Nothing but roses—Bride, Bridesmaid, Killarney and Richmond—the big 4. There are small plantations of the newer aspirants and among them Queen Beatrice gives especial satisfaction with its productiveness and its beautiful color particularly under artificial light. Keep your eye on the Montrose Greenhouses.

## AN INVITATION.

The Buffalo Florists' Club will hold a Flower Show November 18th at the Iroquois Hotel parlors. Exhibition opens at 3 P. M. and banquet at 8 P. M. The Committee of Arrangements have endeavored to procure flowers of interest to you. A paper will be read by Prof. John F. Cowell on his visit to the National Flower Show held at Chicago.

The Club extends to you an invitation for the afternoon of November 18th, and also to the banquet in the evening. The banquet will be a stag affair; the price of banquet tickets will be \$1.00.

The Club will be very grateful to you should you have any flowers or plants of interest that you could send (not necessarily chrysanthemums, but any other flowers of commercial value will be acceptable). Exhibits sent are at the disposal of the Committee.

Yours respectfully,

BUFFALO FLORISTS' CLUB.

## CATALOGUES RECEIVED.

Peter's Nursery Company, Knoxville, Tenn.—Vegetable Plants.

The Advance Company, Richmond, Ind.—Illustrated Folder of the Advance Ventilating Apparatus, Pipe Carriers, Brackets, etc.

## FOUR GREAT CHRYSANTHEMUMS.

Virginia Poehlmann (Poehlmann).

See Cover Illustration.

An ideal commercial; a round incurved, finishing pure white, stem stiff, foliage perfect; everybody likes it. Oct. 15.

Mile. Marguerite Desjouis (Liger).

A pure paper-white, perfectly globular, a splendid incurving commercial with long stiff stem and beautiful foli-



age, perfecting a very large per cent. of blooms, lasts for a very long time in perfect condition; can be had from September until late November.

Madagascar (Calvat).

A grand yellow—pure deep golden color, very full, slightly reflexing, of



very large size, with stiff stem and abundant small foliage. Oct. 15 to 20. A fine commercial.

Fee Orientale (Nonin).

An "early Guy Hamilton," a very beautiful, informal white with deep



canary center. Oct. 15. A very free, easy doer, perfecting every flower.

The above are all very charming and valuable sorts, splendid additions to our earlies.

*E. J. Hill*

## PHILADELPHIA NOTES.

Joseph Heacock Co., of Wyncote, report October palm business twelve per cent. ahead of the same month last year notwithstanding the panic and the election. Good goods and publicity is a winning team if well driven.

Edw. J. Fancourt will represent the Pennock Meehan Co. at the National Flower Show at Chicago. S. S. Pennock of the same firm also expects to make a flying visit to the great exhibition.

The Moore-Livingston Co. of this city and Lansdowne, Pa., will have their new telescope plant stand on view at Chicago in the exhibit of the Henry A. Dreer Co. E. J. Fancourt will also have samples of this useful invention. The latest pattern is made of oxidized copper, polished like gun metal, just the thing for use in church or parlor decorations.

A fire broke out at the Irwin greenhouse (late Graham's) at Logan on the 28th ult. The boiler shed was destroyed and the ends of four greenhouses. Damage about \$1,000.

Robert Kift is having a big run on his new miniature fernery and berry globe. It is proving one of the best selling novelties ever introduced to the flower trade.

W. E. McKissick announces that on November 2 he took into partnership his two brothers, Ayres P. and Howard L., and that the business will henceforth be conducted under the title of W. E. McKissick & Bros., at the old stand, 1619-1621 Ranstead street.

## PLANT IMPORTS.

Entered at New York, October 28th to November 2nd, 1908:

From Holland: A. T. Boddington, 1 cs. bulbs; H. Bischoff & Co., 7 cs. trees; H. F. Darrow, 17 cs. plants, 2 cs. bulbs; Wm. Elliott & Sons, 7 cs. plants, 11 cs. bulbs; A. Gips, 4 pgs. plants; Wm. Hagemann & Co., 67 cs. plants; P. Henderson & Co., 153 bags seed; W. R. Huntington, 14 cs. plants; Maltus & Ware, 55 cs. plants, 8 cs. trees, 20 cs. bulbs, 3 cs. flower roots; W. A. Manda, 15 cs. trees; Mutillod Marius, 33 cs. plants; P. Ouwwerkerk, 7 cs. trees; Vaughan's Seed Store, 4 cs. bulbs; Sundry Forwarders, 1 cs. shrubs, 30 cs. trees, 43 cs. plants.

From Antwerp: H. F. Darrow, 18 cs. plants; Ph. Einsmann, 21 cs. do.; Wm. Elliott & Sons, 7 cs. do.; Fruit Auction Co., 7 cs. do.; Hussa & Co., 1 cs. do.; W. R. Huntington, 4 cs. do.; McHutchinson & Co., 34 cs. do., 100 tubs laurel trees; Maltus & Ware, 163 cs. plants, 10 tubs laurel trees; Julius Roehrs Co., 4 cs. plants; August Rolker & Sons, 72 cs. do.; J. Ter Kuile, 31 cs. do.; Sundry Forwarders, 5 cs.

Via Southampton: Hussa & Co., 6 cs. plants; Maltus & Ware, 9 cs. do.; Siegel, Cooper & Co., 32 cs. do.; Tice & Lynch, 5 cs. do.

Via Hamburg: Maltus & Ware, 3 cs. plants; J. M. Thorburn & Co., 12 bags seed; Sundry Forwarders, 130 baskets live plants.



# HORTICULTURE

## THE EXHIBITIONS

November 7, 1908

### LENOX HORTICULTURAL SOCIETY.

The annual chrysanthemum exhibition of this society was held in the Town hall, Lenox, Mass., on October 28-29. This show is regarded in the profession as the peer of any in America, and this year's display was up to the past reputation of the clever growers who take delight in its rivalries. There was, as usual, a large attendance of the craft from other localities and the local society people turned out enthusiastically.

Much interest centered in the competition for the Dreer Cup, offered for group of miscellaneous plants, orchids excluded. This trophy, which must be won twice before becoming the property of an exhibitor, was won last year by Ed. Jenkins, gardener to Giraud Foster. This year it was captured by Fred. Heeremans, gardener to W. D. Sloane. The winning group was pronounced by good judges to be the finest arrangement they had ever seen. It was composed of magnificent palms, Lorraine and Rex begonias, *Gypsophila elegans* and finely colored crotons, margined with *Adiantum Farleyense* and lily of the valley. The Giraud Foster group was a very close second, composed of *Cocos plumosa* in the background, *Lilium Philipinense*, *Gypsophila elegans*, crotons, Lorraine begonias, azaleas, gesneras and *Adiantum Farleyense*.

Another sensational class in the schedule was the Julius Roehrs Co.'s special for group of orchids in bloom. Mrs. J. Sloane, gardener A. J. Loveless, won first with a group of unusual beauty of arrangement. Prominent in it were *Cattleyas labiata* and *chrysotoxa*, *Oncidium varicosum*, *incurvum*, *ornithorrhynchum* and *album*, *Cypripediums insignis*, *Sanderae*, *Arthuri-anum*, *purpuratum* and several seedlings.

W. D. Sloane, gardener F. Heeremans was second with *Cattleya labiata*, *Oncidium varicosum* and *tigrinum*, *Dendrobium formosum* and *Phalaenopsis Schroderae* and *Vanda coerulea*. Giraud Foster, gardener Ed. Jenkins was third with a similar collection.

Chrysanthemum plants were of a high order of cultural merit and the cut bloom department was well filled with displays of specimen blooms rarely equalled. Carnations and vegetable classes were also remarkable for extent and quality. A summary of the awards in the ninety regular classes follows:

#### SPECIAL PRIZES IN ADDITION TO THOSE ALREADY MENTIONED.

Pierson F Bar Prizes for specimen chrysanthemum plants. Mrs. J. E. Parsons, first; Giraud Foster, second; H. A. Dreer, first for Lorraine Begonia; W. D. Sloane, first; G. Foster, second; G. H. Morgan, third; Lager & Humel Prize for twelve *Cattleya labiata*; Mrs. J. E. Parsons, first for six *Lilium*; G. Foster, first; C. S. Lanier, gardener A. H. W. for group of plants; F. Crane, third; A. T. Beck, first for chrysanthemum; G. H. Morgan, first; R. W. Patterson, first; G. Foster, second; J. M. Thorburn & Co. Prize for vegetable classes; R. W. Patterson, first; G. Foster, second; Mrs. J. E. Parsons, first; G. H. Morgan, first; Prize for six *Chrysanthemum*; W. M. M. R. W. Pat-

terson. A. N. Pierson Prizes for American Beauty Roses. Mrs. J. Sloane, first; W. D. Sloane, second; G. Foster, third. Ditto for Bridesmaid and Bride. G. Foster, R. W. Patterson and Chas. Lanier, respectively. Ditto for Kaiserin. Mrs. J. E. Parsons, G. Foster, respectively. Howard & Morrow Prizes, five separate classes of roses. Chas. Lanier, two firsts, two seconds; G. Foster, one first; R. W. Patterson, one first; Mrs. J. E. Parsons, one second, one third; G. H. Morgan and Mrs. J. Sloane, each one second. J. M. Thorburn & Co. Prize for Potatoes. G. Foster, Eustace Jacques Cup for Collection of Vegetables (to be won twice). G. Foster; Chas. Lanier and W. D. Sloane, second and third. Vaughan's Seed Store Prize for Vegetables—R. Winthrop, Mrs. J. Sloane, G. H. Morgan. Peter Henderson & Co. Prizes for Celery—Mrs. J. E. Parsons, G. Foster, G. H. Morgan. Ditto for Lettuce, C. Lanier, G. Foster, R. Winthrop. Ditto for Cauliflower, G. Foster, R. Winthrop, F. K. Sturgis.

#### GENERAL CLASSES.

In the general classes results were as follows: Chrysanthemum Plants. Firsts, two to R. Winthrop, one each to Mrs. J. Sloane and Mrs. Parsons; seconds, two to G. Foster, one each to Mrs. Parsons and Mrs. F. K. Sturgis. Miscellaneous Plants and Orchids. Firsts, three each to C. Lanier and G. Foster, two each to W. D. Sloane and Mrs. J. Sloane, one to R. C. Dixie; seconds, two to C. Lanier, one each to W. D. Sloane, Mrs. J. Sloane.

In cut chrysanthemums, R. W. Patterson won six firsts, G. Foster, eight seconds; R. Winthrop, six firsts, one second; W. D. Sloane, one first, one second; J. Sloane, two seconds; G. H. Morgan, one first, two seconds. M. Morgan won four firsts on roses; W. D. Sloane, one first, one second on roses; J. Sloane, two seconds each on roses and carnations; R. W. Patterson, one first on roses and two on carnations. On carnations and violets prizes were pretty well divided between the same exhibitors and several others. Vegetables and fruit were fine. G. Foster won three firsts. R. & H. Scoville two and several others one each.

#### EXTRA AWARDS

C. S. A. Cup for ten Blooms of One Variety to R. W. Patterson. Diploma to Zenas Crane for Seedling White Carnation. Certificates of Merit to A. N. Pierson for Rose White Killarney and Mr. Maryland Diploma to Chas. H. Totty for Chrysanthemum Novelty, 1909. Special Mention, J. D. Cockcroft for Carnation Georgia.

The judges were Wm. Turner, Wm. Waite, Alex. Mackenzie and James Wheeler.

### DUTCHESS COUNTY HORTICULTURAL SOCIETY.

This society held its fourteenth annual exhibition in the State Armory, Poughkeepsie, N. Y., Oct. 29 and 30. The large Armory Hall was tastefully decorated and the exhibits effectively placed, giving room to view them on all sides. It was one of the finest exhibitions ever given by the society, and though fairly well attended, was not patronized as it should have been.

A pleasing feature was the attractive exhibit of an enterprising music dealer, Chas. H. Hickok, who had two pianos, Victoria and Regina music boxes and talking machines, chime blocks and the Peerless electric piano, with capable musicians in charge, who also with a noted violinist entertained the visitors very enjoyably.

The chrysanthemums, both in plants and cut blooms, were very fine and competition keen. The same may be said of the roses, violets, carnations, flowering and foliage plants, groups, etc. A new fern, *Nephrolepis Scholzei*—a crested Scotti—attracted much attention. It is considered quite an acquisition and was given a certificate of merit. The prizes were pretty well distributed among the following, in the various classes:

Ogden Mills, gardener James Blair; F. W. Vanderbilt, gardener H. J. Allen; Winthrop Sargent, gardener F. E. Witney; Gerald Hoyt, gardener D. Harrison; Archibald Rogers, gardener Thos. P. Connor; W. P. Clyde, gardener H. J. Osterhoudt; Stuyvesant Fish, gardener H. MacDonald; Prof. Osborne Est., gardener James Bell; F. R. Newbold, gardener Fred Saeuger; Capt. A. C. Zabriskie, gardener Fred Cottrell; Saltford Flower Shop, H. G. Cottam, Valentine Bergevin's Sons, A. W. Williams, B. Willig, James Cockcroft and C. Bahret.

On the second day there was much interest in the dinner table decorations. First went to H. J. Allen, who used *cattleyas*; second to F. E. Witney, using pink roses and third to The Saltford Flower Shop with red roses. All were very tastefully arranged.



CHRYSANTHEMUM SHOW AT F. S. PROPAGATING GARDENS

## PASADENA GARDENERS' ASSOCIATION.

The First Annual Fall Flower Show was held in the big garage building, No. 161 W. Colorado st., Pasadena, Cal., Oct. 22, 23 and 24. From the beginning to the end the show was well patronized and proved a success in every way.

Although chrysanthemums are late for Southern California there were some very fine blooms, measuring from 10 to 12 inches in diameter, which were the main attraction of the show. A. Urquhart, gardener to D. R. Cameron, took first prize in all classes. F. S. Allen took first for Maman Cochet roses. Roses at this time of the year are rather scarce, but on the whole, made a very fine exhibit. Special award of merit was given to R. MacKenzie for adiantums and another for a magnificent display of orchids.

Certificates of merit were awarded to Mrs. W. S. Lourie for gladioli, Robert Pegg for collection of decorative plants and hanging basket of ferns; Park Nursery for hanging basket of ferns; Edward Rust of the Palm Nursery for Pandanus Veitchii; Howard & Smith, nurserymen of Los Angeles, one for dwarf Jap. trees and another for dahlias. There was also a good collection of fruit and vegetables. I. Lowe was awarded special prize for black squash; Mrs. M. B. Walsh, two awards for quinces and walnuts; Mrs. Dobbins special for strelitzia and other cut flowers; Rev. W. F. Cornett, collection of celosias; J. J. Broomall, special for sweet-scented dahlias; Louis Fried, special for chrysanthemums in pots.

A very fine display of water lilies, including Victoria Regia from the H. E. Huntington place, grown in the open, though not for competition, was the center of attraction. D. W. Coolidge was awarded certificate of merit for a most complete collection of economic plants in California, of which were over fifteen varieties of tropic and semi-tropic fruits grown in Pasadena.

Ross Seed Store was represented by a fine display of fancy gourds, seeds native plants and fruits.

H. E. GEORGE.

## EXHIBIT AT NORWICH, CONN.

A benefit chrysanthemum show under the auspices of the Parish Aid Association was held at the residence of Mrs. Wm. Camp Lanman on October 28. The prizes other than the silver were mentioned in the list were blue, red, yellow and white ribbons. The show was a success. Piazzas were closed in and piazzas and rooms decorated with plants and Japanese lanterns. The entertainment closed with a dance in the barn on the second evening. The sum of \$300.00 was realized. Alfred Flowers, gardener to Mrs. Geo. S. Palmer, Thos. H. Mead, traveler for Schlegel & Fottler and Oswald Laing from the Plant Estate served as judges.

## LIST OF AWARDS.

In the vase classes for chrysanthemums Mrs. W. C. Lanman, gardener Chas. T. Beasley won nine first prizes. Mrs. Frank Roath two firsts, one second and one third, A. S. Gilbert one first and four seconds, Schlegel & Fottler one second, Chas. H. Totty one third. Prizes for best vase arranged for effect, vase of pompons and vase of singles were won by Schlegel & Fottler. (silver tray), Alfred Mitchell, gar-

dener Gus Newman and Mrs. Lanman respectively. The silver cup for best display of named varieties was captured by Thos. W. Head, Mrs. Lanman second. In the plant section first prizes were won by Joseph Smith, A. S. Gilbert and Mrs. Lanman. A special was awarded to Chas. H. Totty for collection of singles. The silver tray for collection of hardy varieties went to Geo. S. Palmer, gardener Alfred Flowers, Alfred Mitchell being second.

Other prize winners were as follows: Basket Mrs. Lanman. Single violets Mrs. F. L. Osgood, gardener M. Shea. Double violets—ditto. Cosmos—Geo. Palmer, Schlegel & Fottler and Mrs. Lanman. Carnations—Mrs. F. L. Osgood first, Schlegel & Fottler second and third, in all the classes. Roses—Mrs. F. L. Osgood, silver cup. Begonias—Mrs. Lanman first in two classes, Geduldig Estate in one. Specimen ferns Geduldig Estate. A special silver cup was presented to Chas. Thos. Beasley, gardener to Mrs. W. C. Lanman as the largest exhibitor.

## MARIN COUNTY HORTICULTURAL SOCIETY.

The Marin County Horticultural Society's second annual exhibition held in San Rafael, Cal., Oct. 17, though in many respects not equaling the one held last year was a very creditable affair. As 'mums are chiefly grown out-doors here and the season being somewhat behind the later varieties were shown only in limited numbers. But what was a drawback to the 'mums favored the dahlias and the latter were largely shown, some good seedlings being among the number. Many of the newer varieties of roses (grown out-doors) were among the exhibits and although among them there were some fine blooms yet it was the wrong time of year for roses to be at their best. There was not much competition in the carnation class but some of the newer varieties appeared in good form. One bench contained about two hundred varieties of tuberous begonias some of them out-classing anything heretofore shown in this section. The awards were as follows:

Chrysanthemums—A. Taylor, four firsts, including silver cup for best 100 blooms, 2 seconds. F. B. Anderson, gardener W. Buehl, 2 firsts, 2 seconds, 3 thirds. Hotel Raphael, gardener T. P. Redmayne, 2 firsts, 1 second, 1 third. Mrs. Geo. Coffin, 2 firsts. H. E. Bothin, 1 first. A. W. Foster, gardener R. Lohrman, 1 first, 2 seconds. L. E. Douglas, gardener Garsen,

1 first, 1 third. M. H. De Young, gardener P. Uhlmann, 1 first, 1 second. Geo. A. Pope, 1 second.

Dahlias—A. W. Foster, 2 firsts, 1 second, 3 thirds. Geo. Pope, 2 firsts, including silver cup for best collection of 100, 3 seconds. F. B. Anderson, 1 first, 1 second, 1 third. M. Madsen, 1 first. W. H. Crocker, 1 first, 1 second. M. H. De Young, 2 thirds. S. E. Slade, 1 second.

Carnations—J. A. Carbone, first on 25 white, 25 pink, 25 red, best seedling and best collection; H. E. Bothin, second best pink.

Roses Twenty-five roses grown outside, J. A. Carbone, first; S. E. Slade, second. Gladiolus—A. W. Foster.

Garden flowers—G. A. Pope, first; Mrs. Jones, San Rafael, T. Pomus, gardener, second.

Chrysanthemum Plants—Three blooms in 8 in. pot, H. E. Bothin, first; F. B. Anderson, second. Six single flowers in 6 in. pot, F. B. Anderson, first.

Six flowering plants—H. E. Bothin, first. Boston Fern in 12 in. pot—A. W. Foster. Decorative plant—Mrs. Gerstle, first; H. E. Bothin, second.

Specimen fern Mrs. Gerstle. Group decorative plants and ferns—H. Schluter, Laurel Grove Nursery, a very handsome collection, first; Hotel Rafael, second.

Bridal bouquet—Forest Floral Co.

## SPECIAL AWARDS.

Collection of Tuberous Begonias—H. E. Bothin.

Hydrangeas—M. Madsen.

THOMAS P. REDMAYNE,  
Secretary.

## MADISON, N. J.

The thirteenth annual Flower Show of the Morris Co. Gardeners' and Florists' Society fully sustained its reputation for putting up a high class show. In arrangement the exhibition was strikingly artistic, and the classes were so placed that when the judges came to pass on them they could go from one class to another in schedule order, thus facilitating their work. Practically the same committee of arrangements has gratuitously done this work since the organization of the club, and they improve in this work every year.

Perhaps the most striking object in the show was Wm. Duckham's central group of single chrysanthemums in many shades and colors, 10 feet high, 18 feet diameter. It was surmounted by a fine specimen palm and the vari-



CHRYSANTHEMUM SHOW AT U. S. DEPARTMENT OF AGRICULTURE

ous colors were brought out in relief by the rare foliage plants used in the group.

Arthur Herrington decorated the musicians' stage in the taste with palms, single stem chrysanthemums, Farleyense ferns, etc. The chrysanthemum part, and of course that is the main part, was as good if not better than ever. Wm. Duckham carried off the honors in the G.G.'s class with Mary Donnellan, President Viger, C. H. Totty, Montigny, Mrs. N. Davis and Ben Wells. Mr. Duckham showed the possibilities of these varieties.

There may be wonderful novelties in other parts of the country, but it is certain that Totty has a half a dozen dandies. C. H. Totty which Duckham showed, is a giant crimson and they say does not scorch. Mrs. O. H. Kahn is another whopper in a beautiful bronze. Yellow A. J. Miller is better than its progenitors. Pockett's Crimson is fine and so is Lillian Warlick. They ought to make a record in Chicago. But all this does not mean that the old ones have passed. Appleton is with us yet and Merza, Wm. Duckham, Miss Clay Frick, and the "Biggest Flower in the Show," prize for which our genial past-president, John Heeremans sent a \$3.00 check all the way from "Palmetto Bluffs," S. C., where he is now employed laying out the estate for R. T. Wilson Jr., was awarded to a monster bloom of Lady Hopeton, grown by our president, Percy Herbert, of Florham Farms. So once in a while the back numbers are found in front.

A vase of carnation Georgia, from James D. Cockcroft was very fine, being a novelty of decided merit as shown here. It got a certificate of merit. The carnation classes were well filled and the competition was very keen. Wm. Duckham took the R. D. Foote prize for 100 blooms in four varieties with Enchantress, Pink Enchantress, Robt. Craig and White Perfection, all good varieties. Our rose classes were well filled for this time of year which was an agreeable surprise to many of us. L. A. Noe carried off the honors in American Beauties and in many of the other classes too. Peter Duff had four fine specimen chrysanthemums, and Arthur Herrington had one (Mrs. Trantor) with 800 open flowers.

The vegetable part of the show was perhaps the best we ever had. James Fraser of Cedar Court, won the A. T. Boddington and Peter Henderson prizes. The arrangement was exceedingly artistic, this being a requirement in the Boddington prize. H. B. Vyse was a keen second in the vegetable classes and the quality of his stuff was as good as ever shown in Madison. In the groups, John Downing gardener to Dr. McAlpin won the Pierson U-Bar prize with H. B. Vyse a very close second; both groups were 50 sq. ft.

A fine table decoration of orchids, Farleyense and other choice things was set up by John Jones of Convent. White Killarneys from F. R. Pierson Co., and Robt. Scott and Sons were grand and certainly did these exhibitors credit. Certificates of merit were awarded, Nephrolepis superbissima from F. R. Pierson Co., and Neph. Scholzei from H. A. Dreer also got certificates of merit. H. B. Vyse, gardener to A. R. Whitney, had a superb table decoration of roses that made people stop and stare.

In the roll of honor for winners of first prizes are Wm. Duckham, James Fraser, John Downing, John J. Derivan, Harold B. Vyse, Peter Duff, Max Sneider, M. B. Metcalf, Philip Cox, C. H. Totty, Wm. Inglis, Arthur Herrington, Wm. G. Badgley, J. W. Wagner, L. A. Noe, Ernest E. Wild, Thos. W. Head, H. L. Hand, and Andrew R. Kennedy. And every one of them earned what they got for competition was never so keen nor the standard so uniformly high.

A few more things should receive especial mention: a display of about fifty plants of Lorraine begonia, pink and white, exceedingly well grown were shown by H. B. Vyse, that certainly did him great credit, and the orchid show of Lager & Hurrell, put a finishing touch to our show. Wm. Muhlmichel's monster Boston fern, too, was admired very much and Wm. F. Lyons' specimen Neph. Whitmanii, Celosia "Cedar Court Perfection" from James Fraser and the orchid display of Ordenez Bros. were worthy of notice. Many more things could be mentioned but neither time nor space will allow.

E. R.

#### PITTSBURG.

Mention of all the chrysanthemum establishments in the Pittsburg district would be monotonous to Horticulture's readers. Yet it would be unfair to allow the season to pass without mentioning the magnificent flowers at G. M. Laughlin's. H. Price and his able grower J. Kemp have this year a display second to none in the neighborhood. The newer varieties are seen here to their advantage. O. H. Broomhead, purple; Mrs. Girard Foster, white; Mrs. Norman Davis, white; J. C. Neil, pale yellow; Mary Donnellan, yellow; Mrs. Joseph Sinnott, rosy purple, are all good. Wm. Jennings Bryan has been grown here for years. Mrs. Kemp remarked that he is very long winded but has a poor head. The Schenley Park exhibition which opened Sunday, Oct. 25, is quite up to the standard of previous years. This monster exhibit is as popular as ever, vast crowds passing through the greenhouses daily. Three of the largest compartments are given over entirely to chrysanthemums and in another house large groups of solid colors are grouped against the dark green of the permanent temperate plants. In one compartment the colors are mixed; in the remainder massing in solid blocks or grading from white through the varied shades of pink to deep crimson is the plan of arrangement. Some of the finest flowers are Mrs. Joseph Sinnott, Mrs. J. C. Neil, Mrs. Davis, W. M. Moir, Mme. Armand Detroyat, Mrs. Jno. E. Dunn, Mrs. Miller, Cheltoni, Beatrice May, Morton F. Plant, Brighthurst, and Mrs. Carrington. It is something of a relief after seeing so many chrysanthemums to pass into the other compartments where cyclamens, cosmos, lilliums of various species, begonias and other things are tastefully arranged. A number of well-flowered plants of *Cattleya labiata* attracted considerable attention. Listening to the comments of the people who visited the greenhouses, nearly all of whom seem to take a personal pride in everything connected with these beautiful conservatories is not the least enjoyable feature of a Sunday afternoon visit.

J. H.

#### LOCAL FLOWER SHOWS.

**Salem, Mass.**—Supt. McCue, of Greenlawn Cemetery, has invited the public to inspect his fine array of chrysanthemums.

**Minneapolis, Minn.**—The first flower exhibit at the Lyndale Farmstead opened on Nov. 1. Chrysanthemums are the attraction.

**Winchendon, Mass.**—W. W. Rhuland is making an attractive public exhibition of carnation and roses at his Riverside greenhouses.

**Easton, Md.**—A chrysanthemum show was held in the rooms of the Mercantile Library during the last week in October, to which many growers made large contributions.

**Clinton, Mass.**—F. P. Sawyer, florist of Clinton, Mass., has arranged an attractive exhibit at his branch in Shirley, for Nov. 6 and 7. C. K. White is his representative. Floral souvenirs will be distributed.

**Schenectady, N. Y.**—Chrysanthemums were the leading feature at the greenhouses of W. T. Hanson on Oct. 31, when the Woman's Auxiliary of the Ellis Hospital held sway, but orchids, carnations and roses were also in evidence.

**Burlington, Vt.**—The greenhouses at the Experiment Farm were opened to the public last week when the large stock of chrysanthemums was at their best. Prof. Stuart, H. B. de Thestrup and others were in attendance to show the visitors about.

**New Orleans, La.**—The annual exhibition, prior to All Saints' Day, given by the Metairie Ridge Nursery Co., took place on Oct. 25. The New Orleans Horticultural Society were invited to be the guests of the company and a special car was chartered to carry them.

**Lewiston, Me.**—The greenhouses of Gen. S. H. Manning have elicited much admiration for the past two weeks, a huge crop of Black Hamburg, Golden Hamburg and Sweetwater grapes being the attraction. Some eight bushels of this luscious fruit have been disposed of already.

#### COMING EVENTS.

**Chicago, Ill.**—National Flower Show, Society of American Florists, Nov. 6-14.

**Boston, Mass.**—Massachusetts Horticultural Society, Chrysanthemum show, Nov. 6, 7, 8, 9.

**New Haven, Conn.**—New Haven County Horticultural Society, show, Nov. 10, 11, 12.

**Worcester, Mass.**—Worcester County Horticultural Society, chrysanthemum show, Nov. 12.

**Philadelphia, Pa.**—Pennsylvania Horticultural Society, annual exhibition, Nov. 10, 11, 12, 13, Horticultural Hall.

**Toronto, Ont.**—Ontario Horticultural Society, exhibition, Nov. 10-14.

**Little Rock, Ark.**—State Floral Society, show, Nov. 10-25.

**Lake Geneva, Wis.**—Gardeners' and Foremen's Association, chrysanthemum exhibition, Nov. 11, 12.

**Providence, R. I.**—R. I. Horticultural Society, Nov. 11, 12, fall exhibition.

**New York, N. Y.**—American Institute of New York, chrysanthemum show, Nov. 11-13, Berkeley Lyceum Building. Horticultural Society of



## NEW DAHLIAS

For the Catalogue Trade.

If you want some of the Finest and most substantial New Dahlias, in the Show, Decorative and Pompon Classes, for your 1909 Catalogue, write the

### Central Seed & Bulb Co.

Wholesale Commission

**SEEDS, BULBS, PLANTS,**  
121-3 E. Kinzie Street,  
CHICAGO

for Photographs, Engravings and terms. They have the Exclusive Distribution of Thompson's Michigan Grown Introductions, and none better can be found of American origin in these classes.

The Engraving in this ad is a halftone from photograph of No. 153, and 4 inch flower, White with pink blush on outer rim of petals. Decorative, long stems, good growth and valuable.

## A FEW BARGAINS IN BULBS

**LILIUM LONGIFLOREM** Japan Grown. Now ready. Case lots, 300 bulbs, \$15.00 per case; less quantities, \$6.00 per 100.

**FRENSIA REFRACTA ALBA.** We have a small surplus of the largest sized French-grown bulbs. Mammoth bulbs, 3/4-inch up, \$7.50 per 1000 as long as unsold.

**LILY OF THE VALLEY.** Cold Storage. For immediate forcing. Finest quality, case of 250, \$4.00; case of 500, \$7.50; case of 1000, \$14.00; case of 2500, \$32.50.

**DUTCH HYACINTHS.** Selected named varieties. First size, \$5.00 per 100, \$45.00 per 1000. Fine named varieties, second size, \$4.00 per 100, \$35.00 per 1000. Separate colors, singles, \$2.50 per 100, \$23.00 per 1000. Miniature, or Dutch Romans—very profitable stock for growing—finest named varieties in white, pink, and blue, \$2.00 per 100, \$18.00 per 1000.

**TULIP.** A few of the leading varieties, which we can supply in quantity, as follows: Artus, \$1.25 per 100, \$11.00 per 1000; Chrysoloro, 60c. per 100, \$7.00 per 1000; Cardinal's Hat, \$1.00 per 100, \$7.50 per 1000; Cottage Maid, \$1.25 per 100, \$10.00 per 1000; Duchesse de Parma, \$1.25 per 100, \$11.00 per 1000; Joost van Vondel, \$1.50 per 100, \$12.50 per 1000; La Reine, \$1.25 per 100, \$9.00 per 1000; Pottebakker White, \$1.25 per

100, \$10.00 per 1000; Proserpine, \$3.00 per 100, \$27.00 per 1000; Rose Griselin, \$1.50 per 100, \$12.00 per 1000; Yellow Prince, \$1.00 per 100, \$8.50 per 1000; Gesneriana Spatulata, \$1.25 per 100, \$11.00 per 1000; Darwins, \$1.00 per 100, \$9.00 per 1000; Picotee, \$1.00 per 100, \$8.00 per 1000; La Candeur (double white), \$1.50 per 100, \$12.00 per 1000; Murillo (double pink), \$2.25 per 100, \$19.00 per 1000.

**NARCISSUS.** Golden Spur, \$1.75 per 100, \$15.00 per 1000; Empress, selected, double-nosed, \$1.00 per 100, \$18.00 per 1000; Emperor, \$1.75 per 100, \$15.00 per 1000; Principles, 30c. per 100, \$6.50 per 1000; Single Von Sion, \$1.25 per 100, \$10.00 per 1000; Double Von Sion, first size, \$1.00 per 100, \$8.00 per 1000, and selected double-nosed, \$2.25 per 100, \$19.00 per 1000; Mrs. Langtry, 75c. per 100, \$6.00 per 1000; Orange Phoenix, \$1.25 per 100, \$9.00 per 1000; Paper White Grandiflora, \$1.25 per 100, \$9.00 per 1000; Poeticus, 60c. per 100, \$4.00 per 1000; Barri Conspicuous, \$80c. per 100, \$6.50 per 1000.

**ROMAN HYACINTH, PINK.** \$2.25 per 100, \$18.00 per 1000.

**SPANISH IRIS.** All colors mixed, 40c. per 100, \$2.00 per 1000.

**GLADIOLUS.** Colvilli Alba, "The Bride," 75c. per 100, \$6.00 per 1000; Peach Blossom, \$1.75 per 100.

For complete list of bulbs, see our wholesale price list.

**F. R. PIERSON CO. TARRYTOWN-ON-HUDSON, NEW YORK**

New York, annual exhibition, Nov. 17, 18, 19.

Denison, Texas—Denison Civic Improvement League, show, November 11, 12, 13.

New Orleans, La.—N. O. Horticultural Society, chrysanthemum and flower show, Nov. 12, 13, 14, 15.

### Big Money in FORCING Rhubarb and Asparagus

We have 50,000 eight to ten years old Asparagus roots that will force a large amount of Asparagus. Also 50,000 three years old Rhubarb clumps that will give an immense amount of luscious stalks. These Asparagus roots have had fine Asparagus cut from them for a number of years.

We have also 35,000 Peach Trees, 1000 Apple Trees, 35,000 Privet Hedging, 100,000 Asparagus Roots, which are one and two years old, 200,000 Strawberry Plants; Also Shade Trees, Evergreens and Shrubbery.

**WARREN SHINN'S NURSERY STOCK**  
Woodstown, N. J.

Washington, D. C.—American Association of Farmers' Institute Workers, Nov. 16, 17.

Pittsburg, Pa.—The National Municipal League and the American Civic Association, annual meeting, November 17-20.

Buffalo, N. Y.—Buffalo Florists' Club, flower show and banquet in Iroquois Hotel parlors, Nov. 18.

Baltimore, Md.—Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

Spokane, Wash.—National Apple Show Association, Dec. 7-12.

Indianapolis, Ind.—American Carnation Society, Jan. 27, 28, 1909.

No. Andover, Mass.—The school children are continuing their garden work of the summer by planting bulbs for spring blooming. A. G.

Moody, the florist, has taken great interest in this work, providing several window boxes free for the Merrimack school last summer.



**SELECTED  
GIGANTEUM**

HORSESHOE  
BRAND

READY FOR IMMEDIATE  
DELIVERY

**Ralph M. Ward & Co.**  
12 B'way New York



**AUCTION  
SALES  
TUESDAY & FRIDAYS  
AT NOON.**

# Wm. Elliott & Sons

of 42 VESEY ST., will offer at

## Auction Tuesday, Nov. 10

AT NOON A CHOICE CONSIGNMENT OF

### Holland Nursery Stock

consisting of named Rhododendrons, Boxwood, Conifers, Azaleas, Magnolias, Hydrangeas, Lilacs, Pot Grown Roses, Roots, Bulbs, Pæonies, etc.

NEW YORK CITY

W. J. ELLIOTT, Auctioneer

#### SHORT TRIPS FOR VISITORS TO NATIONAL FLOWER SHOW.

HORTICULTURE'S representative in Chicago is Mrs. M. B. Hancock. Her address is La Grange, Ill., but she will be in attendance every day at the National Flower show and will be pleased to extend any possible courtesy or information and direct strangers to any place they wish to visit.

Poehlmann Bros. are among the largest flower growers in Chicago. Their greenhouses are at Morton Grove, reached by the Chicago & St. Paul R. R. from the Union Station. Tickets can be obtained at Poehlmann Bros.' city office at 35 Randolph street.

At the greenhouses may be seen a large variety of roses, carnations and chrysanthemums. Special attention might be called to the new white chrysanthemum, Virginia Poehlmann, which originated here last year.

The greenhouses alone are well worth seeing, for they cover over one million square feet of glass, and the new range now building will add 250,000 feet more.

Peter Reinberg's is the home of the new Marshall Field rose. He has grown it for five years and will place it on the market after the first of January, 1909. It is a light pink, has good shipping qualities, is very fragrant and remarkably productive. Chrysanthemums, carnations and roses are produced at this place, which includes nearly two million square feet of glass. It is reached by taking the Ravenswood branch of the Northwestern Elevated to Robey Station, and then walking eight blocks north. Mr Reinberg's city office and salesroom is at 35-37 Randolph street, where the genial smile of Leonard Kill will welcome Flower Show visitors.

Bassett & Washburn's greenhouses are located at Hinsdale, 18 miles west of Chicago on the C. B. & O. R. R. Trains leave the Union depot every 15 minutes. It is an up-to-date place of 5,000,000 ft. of glass, planted with the latest money-making varieties of flowers. This trade is a good book, and the flower show company is a good order. The information given for it is a good one. The new O. P. Bassett leading the list with 50,000 plants. The O. P. B. is not a cooper but starts blooming about October and is in full

swing and keeps it up until July. Flowers large clear red, calyx and stem perfect. Visitors can leave Chicago at any time from 7.45 A. M., trains running every hour each way, and during the Flower Show Bassett & Washburn have made arrangements to have carriages meet each train and drive to the greenhouses.

J. A. Budlong's greenhouses are located at the terminus of the Lincoln ave. electric line, and also in close proximity to the Ravenswood branch of the Northwestern Elevated R. R. It is but six blocks from the Reinbergs. This establishment consists of 33 houses aggregating half a million feet of glass, devoted entirely to roses and carnations. All the roses are grafted stock. The entire place is heated from one central heating plant. The stock is shipped to the city store twice a day, and their large out-of-town shipping business is supplied from the latest shipment each day.

The city office and salesroom is at 35 Randolph street, and all out-of-town visitors are invited to call and make arrangements for visiting the greenhouses. Mr. Budlong handles the stock of some 25 other flower growers in addition to his own.

Visitors can reach Weiland & Reich by taking the Evanston Elevated to Main street and walking just a few blocks to Ashbury ave. Weiland & Reich were the first to grow Killarney rose in Chicago, and Mr. Weiland will be glad to explain its successful culture to visitors. This firm specializes in new roses. One seedling, light pink, is regarded as of unusual merit. The city salesroom and office are at 59 Wabash ave. If those who wish to visit the greenhouses will call at the office they will be provided with an escort.

Frank Oechslein is one of the leading plant growers in Chicago. During the nine years he has been in business he has built up a remarkable trade and he is recognized as a most successful grower of fine pot plants. His place may be reached by the Madison street car west to the barns, then transfer to the 48th ave. car and get on at Adams street, or take the Griffith Park branch of the Metropolitan Elevated west to 48th ave., then walk north four blocks and west one. Vis-

itors will see a fine lot of Boston ferns and their sports; ferns for dishes, etc., arancarias and rubbers, and several thousand bush chrysanthemums in bloom. They will also see a Christmas stock of poinsettias, Lorraine begonias, azaleas, cyclamens and Jerusalem cherries. Growers of pot plants will get pointers here, for Mr. Oechslein not only knows how, but is one of the few who will impart his knowledge to others.

Chicago has its full share of commission men and they are all found in the vicinity of Wabash ave. and Randolph st. Many of them have been in business here for many years. Here is found also the Flower Growers' Market, where seventeen different firms are represented. This was started six years ago, and three of the founders, Mrs. Frank Beu, John Sinner and Miss Tonner are still there. Mr. Percy Jones is in charge of the floor and will welcome visitors.

At and near the corner of Wabash avenue and Randolph street there are signs bearing names long familiar. Hunt, Kennicott, Randall, Winterson, Amling, Deamud. Some are there in name only but drop in and shake hands with those who are left. Then go upstairs in the Atlas Block and you will find more. Charles McKellar, who is known to the trade as a specialist in flower novelties, you will find surrounded by his stock of orchids, gardenias, violets, bouvardia, etc.

Mr. Benthey, representing the Benthey, Coatsworth Co. of New Castle, Ind., and handling their stock will be found in the corner room.

Across the hall you will find Wieter Bros., Peter Reinberg and George Reinberg. Down the hall are Zeck & Mann and Kruchten all busy.

Vaughan's greenhouses are at Western Springs. Pot plants are grown here exclusively. Western Springs is reached by the C. B. & O. R. R. from the Union station.

At Geo. Wittbold Co.'s visitors will see the Wittbold Cement Bench and the Wittbold Watering system, both of great interest to the trade. This firm handles decorative plants as a specialty, being generally recognized as the largest plant decorators in Chicago. Their new store is on North Clark street and their other store and greenhouses are on 1657



# AZALEAS For Forcing—Christmas to Easter



Our stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular American varieties: **Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael, Simon Mardner, Vervaeneana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, John Llewelyn, Mme. Cam. Van Langenhove, Mme. Jos. Vervaene, Paul de Shryver, Memorie de L'Van Houfte, Sigismund Rucker**, and others.

	Doz.	100		Doz.	100
8 to 10 in. diam.	\$3.50	\$25.00	15 to 16 in. diam.	\$9.00	\$75.00
10 to 12 " "	4.50	35.00	16 to 18 " "	12.00	90.00
12 to 14 " "	6.00	45.00	18 to 20 " "	25.00	200.00
14 to 15 " "	7.50	60.00	20 to 24 " "	36.00	300.00

Order early to save heavy express charges; impossible to ship by freight in cold weather

**ARAUCARIA EXCELSA**, fine plants \$6.00 and \$9.00 per Doz.  
**ORANGE PLANTS**, well fruited 75c., \$1.00, \$1.50 and \$2.00 each

We have a fine selection of Nursery products. Shall be pleased to give special prices on lists. ASK FOR WHOLESALE CATALOG.

**BOBBINK & ATKINS NURSEYMEN and FLORISTS Rutherford, N. J.**

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubbery in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price

## VINCA Variegata

Strong and bushy, field-grown, at \$4.00 per 100. Cash with order, please.

H. T. & A. H. FUNNELL, Huntington, N. Y.

Buckingham Place which may be reached by the Wilson Ave. branch of the Northwestern Elevated, leaving car at North Clark Station.

Do not fail to call on the big dealers in greenhouse building material, the Foley Manufacturing Co. at Western Ave. and 25th St., and Moninger at 117 E. Blackhawk St. They will be glad to see you. And the noted manufacturers of greenhouse heating apparatus, Kroschell Bros., 35 Erie St., and the "Superior" people. You will also find it worth your while to talk with Sharp, Partridge & Co. on the subject of greenhouse glass for next season. They are at 22d and Lumber streets and have some bargains for you.

## JOHN WATERER & SON, Ltd.

American Nursery

Bagshot, England

Are Specialists in the

## REALLY HARDY VARIETIES

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

**EVERGREENS** for early Fall planting: **HARDY RHODODENDRONS** per thousand. All other fine **SHRUBS, TREES, VINES, PERENNIAL PLANTS and FRUITS**. Complete assortments: Careful grading: Low prices.

## AMERICAN NURSERY COMPANY,

Sales Department, - - - - 150 BROADWAY, NEW YORK CITY.  
BLOODGOOD NURSERIES DEPT., Flushing, Long Island.  
F. & F. NURSERIES DEPT., - - Springfield, New Jersey.



**HYDRANGEA**  
(*Arborescens*)  
**GRAND. ALBA**  
A taking novelty for  
**FORCING**  
Strong field grown 15 inch and up \$15 per 100, \$140 per 1000. 1 to 15 inch \$10 per 100, \$90 per 1000.  
**The Elm City Nurs. Co.**  
NEW HAVEN, CONN.

New Forcing and Garden Hydrangea.

## Box Trees

and other **EVERGREENS** for Tubs and Boxes  
Our Prices are Always Right - Catalog Free  
**THE NEW ENGLAND NURSERIES, Inc.**  
BEDFORD, MASS.

## BARGAINS in TREES and PLANTS

Concord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

## PEONIES

Strong 3 and 5 year old clumps cheap. Ask for wholesale catalogue of ornamental nursery stock.

## SAMUEL C. MOON

Morrisville Nursery. MORRISVILLE, PA.

Hardy Rhododendrons, Azaleas, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our **HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights, N. J.

## CLEARY'S HORTICULTURAL CO.

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

## HORTICULTURAL PRODUCTS

of every description.

Consignments Received. Surplus Stock Converted  
**62 Vesey St., NEW YORK**

## Seed Trade

The statements in certain trade journals that the bulb trade has been remarkably active and that all bulbs will be well cleaned up this fall, does not seem to be borne out by facts. The writer has interviewed some of the large handlers of bulbs and their statements are directly to the contrary. Of course there are a few exceptions, but generally speaking this line of business does not appear to be satisfactory to the large dealers; in fact, trade in general among seedsmen is more or less unsatisfactory. Much of this is charged to politics and it is confidently believed that now the elections are over business in all lines will improve and perhaps net results may after all bring the volume of business up to average.

The fact that the California seed growers are maintaining onion seed prices at such high figures seems to indicate some sort of combination or understanding between them. This opinion is strengthened by the fact that eastern seedsmen are quoting prices on nearly all leading varieties materially below those of the California growers. This may be explained on the ground that the surplus stocks in the hands of the growers are small, and while we have no positive information on this point, the opinion is quite general that there is a considerable quantity of onion seed held by California growers, particularly of the yellow varieties.

It was stated in HORTICULTURE some time ago that the crop of seed produced this year in Ohio and Indiana would approximate 200,000 lbs. This estimate was made by those fairly con-

versant with the situation and is probably not far from correct. Very little of this seed has thus far been offered as the growers are still nursing the belief that they are going to get prices nearly or quite as high as they received last year, and they are waiting for the seedsmen to come to them. It is hardly necessary to say that they are doomed to disappointment in this, and when they become convinced that the seedsmen are not hunting for seed, it is probable that they will begin offering their stocks and before spring will be glad to accept almost any offers made, if indeed they can get any offers at all.

There is always danger in growers or dealers holding their goods too long; many, in the mistaken idea that the shortage in any particular crop is greater than it really is, will not quote prices when dealers are eager to buy for fear that they may not get the top price for their products, and in thus holding their goods too long they are unable to find a market for them, or are compelled to sell them at greatly reduced figures. This habit is largely responsible for the breaks that almost invariably occur towards the close of the season in years of short crops. It is always best to sell goods when people wish to buy, and if the shortage proves really serious quotations can be advanced from time to time as the conditions of the market require.

Notwithstanding the fact that garden truck is generally in shorter supply than usual, prices are uncommonly low and the market gardeners will make very little money from this year's crops. The writer saw fine cauliflower offered by peddlers in New York at 5c. per head, the same ordinarily bringing from 15 to 20c. No doubt the Long Island crop of this choice vegetable is large, but under the same conditions that prevailed two years ago, consumption would be much larger and prices correspondingly high.

The leading dealers have for the most part covered their shortages in such lines as peas and vine seeds. There is still some inquiry for these items, but not nearly the activity which was marked a few weeks ago; and those who have these goods to sell and have held back their offerings are likely to find the trade indifferent when they are ready to place their goods on the market.

Although beans, and particularly the green pod varieties, are in somewhat short supply, there will be enough to meet all requirements at prices not very much higher than last year. There are a few exceptions, of course, one of these being Black Valentines. This variety is undoubtedly short, and there are more inquiries for it than any other. There was a very heavy demand from market gardeners for this

bean last year, and the opinion is general that it will be just as active the coming season. Where prices will be fixed it is difficult to state, but the writer was informed by a dealer that fifty bushels had recently been sold in the south at \$7.00 and the dealer who made this sale declared that he could

**60%** Delivery on ALASKA, HORSFORD, Etc. **60%**  
A FULL PRO RATA OF CROP ON ALL CONTRACTS.

**LEONARD SEED CO., CHICAGO.**

IS  
IT AN  
ACCIDENT?

## ? IF YOU HAVE BULBS

Been waiting for a drop in

Here's your opportunity Right Here

Per 100 Per 1000

CROCUS, Colors or Mxd.	.35	
TULIPS, S., Fire Flame	1.50	12.00
" Snow Bird	1.00	8.50
" M. Neil Golden	.85	7.50
Ex. Selected DAFFODILS	1.00	7.00
HYACINTHS, Nam'd & Mxd	2.50	

**W. ELLIOTT & SONS**

42 VESEY STREET, NEW YORK.

## Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**

6 & 7 South Market Street  
BOSTON, MASS.

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Big Boston, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

**WIZARD BRAND MANURE**  
PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE



Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.  
Best and safest manure for florists' and greenhouse use.

**Absolutely Pure  
No Waste  
No Danger**

Write for literature and quantity prices.

**THE PULVERIZED MANURE CO.**

31 Exchange Ave., Union Stock Yards, Chicago



**DREER'S SHEEP MANURE**  
FLORIST  
SPECIALTIES

HENRY A. DREER, Pa.

**SHEEP MANURE**

Pulverized. Free from all Ammoniation  
in Bag, \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**  
CLIFTON, N.J.

have got \$8.00 had he demanded it. As there is not enough of this variety to meet requirements truckers will have to turn their attention to others, and the old standby—the Red Valentine—may again come into its own.

Such crop information as has come to hand indicates but little change from previous estimates given in HORTICULTURE, and we may take it for granted that not much difference will be noted in the status quo in the immediate future.

San Diego, Cal.—P. M. Price, of Moline, Ill., has purchased the entire stock of the Harris Seed Co. and will operate it as a corporation.

Salina, Kan.—Edward Lotz has added garden and grass seeds to his previous stock of field seeds and has given his new business the name of the Western Seed House.

Clover Seed.—A firm of foreign freight contractors and general forwarders, with New York offices, advises the Bureau of Manufactures that one of its customers in Russia wishes to get in communication with American exporters of clover seed, as he intends to buy this article in large quantities.

#### WHERE THE RED FLAG FLOATS IN PEACE.

After rendering distinguished service to the plant growers, large and small for the past two months, by transferring their surplus foliage and flowering plants from the greenhouse to the cash book, Wm. Elliott & Sons will now commence their auction sales of Holland nursery stock at 42 Vesey street, New York. Oyez, Oyez, Oyez!

#### INCORPORATED.

Springfield, O.—The American Rose and Plant Co., E. H. Jackson, C. E. Glenn, O. Jackson, T. and B. McLaughlin; capital, \$25,000.

#### SOW NOW MY STRAIN OF Hardy Garden Carnations

as;	Per Oz.	Tr. Pkt.
Special Mixture of extra double flowers,	\$2.50	.30
Dwarf Scarlet Grenadin .....	2.00	.30
Early Dwarf Vienna, finest mixed.....	1.00	.20
New Early White Vienna, fine for cut,	1.50	.20
New Early Dwarf Hardy Garden Pinks, in splendid colors, mixed.....	4.00	.50

**O. V. ZANGEN, Seedsman**  
HOBOKEN, N. J.

BRIDGEMAN'S SEED WAREHOUSE  
**RICKARDS BROS.**  
Props.

37 East 19th St., - NEW YORK CITY

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

## MICHELL Headquarters for Bulbs.

### COLD STORAGE LILY OF THE VALLEY

"Russian Brand," Stock our own importation. It will pay you to get some for Xmas trade.  
Large Flowering Kind - 500 for \$7.50, 1000 for \$14.00, 5000 for \$65.00

### CYCLAMEN SEED—Giganteum strain

Grown for us by a specialist in Germany. Album (White), Roseum (Pink), Rubrum (Red).  
White with Red Eye. 100 seeds, 75c. \$6.00 per 1000 seeds.

We always have on hand a full line of Insecticides, Nico-Fume, Nicotidine and Tobakine products.

Write for a copy of our  
**Wholesale Catalogue**

**HENRY F. MICHELL CO.,**  
1016 Market Street, PHILADELPHIA, PA.

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## SURPLUS

*Thorburn's*  
*Bulbs*

Narcissus Paper White grandiflora  
White Roman Hyacinths, 12/15 c.  
Dutch Hyacinths, double  
Lilium Harrisii 5/7  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Longiflorum Multiflorum,  
6/8 and 7/9

FLORISTS AND DEALERS SEND FOR PRICES

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**A. MITTING**

**Calla Lily Bulb Co.**  
Santa Cruz, Calif., U.S.A.

WE STILL HAVE ON HAND A FEW CASES OF  
**Lilium Longiflorum**

JAPAN CROWN  
7-9 size. 70 per cent Single Crown.  
Prices on Application.  
**THOMAS J. GREY CO.**  
32 So. Market St., BOSTON, MASS.

In ordering goods, please add "I saw it in HORTICULTURE."

## STOCK SEED FOR WINTER BLOOMING

Our strain of Double Branching Stocks is exceptionally true. About 9 1/2 Double Flowers.

In colors: 1/4 oz. .60 oz. .... \$4.00  
Pure White 1/4 " .75 " ..... 5.00

**H. E. FISKE SEED CO.**  
Faneuil Hall Square, BOSTON, MASS.

Winter-flowering  
**SWEET PEA SEED**

All Colors Ask for List  
**A. C. ZVOLANEK**

ORIGINATOR, BOUND BROOK, N. J.

**READY** For Prompt Shipment...  
**FRENCH and DUTCH BULBS**

Catalogues mailed free on application  
**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**C**AULIFLOWERS  
**A B B A C E E D**  
LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

**QUALITY SEED BULBS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
349 West 14th St., New York.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## NEW RETAIL FLOWER STORES.

Salem, O.—William Mundy.

Detroit, Mich.—E. C. Feters, 114  
Farmer street.

New York, N. Y.—Matandre Bros.,  
2082 Broadway.

Edwardsville, Ill.—Limmel & Mad-  
sen, Bowman Building.

Minneapolis, Minn.—The Sunshine  
Florist has taken a new store on Hen-  
nepin avenue.

Waterloo, Ia.—The Sherwood Floral  
Co. has moved into new quarters at  
the Tremont Hotel.

## BUSINESS CHANGES.

Rockford, Ill.—Mr. Mueller, of Cin-  
cinnati, succeeds to the business of  
H. S. Morton.

Worcester, Mass.—Mrs. Hugo Book  
has disposed of the business of her  
late husband to Frank Sokol.

Maryville, Mo.—Alfred Engelmann  
has purchased the Hollied place and  
has started in business for himself.

## STEAMER DEPARTURES

### American.

St. Louis, N. Y.-S'hampton...Nov. 14  
Philadelphia, N. Y.-S'hamp...Nov. 21

### Atlantic Transport.

Minnehaha, N. Y.-London...Nov. 14  
Minneapolis, N. Y.-London...Nov. 21

### Cunard.

Lucania, N. Y.-Liverpool...Nov. 11  
Saxonia, Boston-Liverpool...Nov. 17

### French Line.

La Touraine, N. Y.-Havre...Nov. 12  
La Savoie, N. Y.-Havre...Nov. 19

### Leyland.

Winifredian, Boston-Liv'p'l...Nov. 11  
Devonian, Boston-Liverpool...Nov. 18

### North German Lloyd.

K. Wm. II., N. Y.-Bremen...Nov. 10  
Wm. der Grosse, N. Y.-Br'n...Nov. 17

### White Star.

Majestic, N. Y.-S'hampton...Nov. 11  
Arabic, N. Y.-Liverpool...Nov. 12  
Oceanic, N. Y.-S'hampton...Nov. 18  
Celtic, N. Y.-Liverpool...Nov. 19

## NEWS NOTES.

Ridgefield, Conn.—George I. Haight  
reports an increasing volume of busi-  
ness in his new location.

Cleveland, O.—Albrecht & Smith,  
florists, have leased a storeroom in  
the Herrick block for a term of years.

Detroit, Mich.—William Wray, an  
employee of J. F. Sullivan, was severely  
injured on Oct. 24 by a heavy packing  
box falling and striking him on the  
back.

Arlington Heights, Ill.—H. W. Illen-  
berger, of Lake Geneva, Wis., has  
taken a position with Klehm's Nur-  
series and is supervising work for  
them at Milwaukee.

Chicago, Ill.—The Ernst Wienhoeber  
Co. held their annual opening at their  
store, 415 Elm street, on Nov. 3, 4 and  
5. Among the special attractions was  
a rich display of pottery ware.

Moline, Ill.—Wm. Knees has just  
added the third section to his new  
range of houses. He has recently fin-  
ished the demolition of the houses at  
his Fifteenth street place and vacated  
the property.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

NEW YORK

Our Motto—The Golden Rule

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

HOUGHTON & CLARK

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

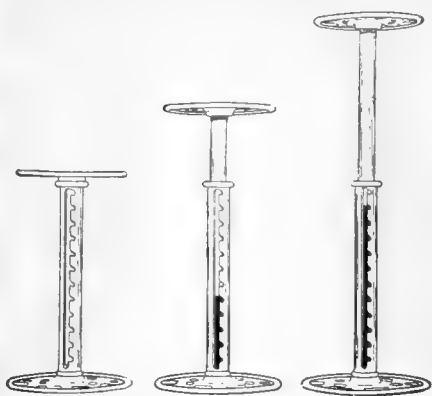
NEW ENGLAND POINTS

THOS. F. CALVIN

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.



# IT'S TIME

"To Make a Noise Like an Order,"

**IF YOU DESIRE OUR ADJUSTABLE PLANT STANDS**

for the coming Fall and Winter Horticultural Displays, as we are rapidly selling up our production until that time, and late comers will be disappointed.

**Prize winners this season for display and banking of plants will be those equipped with The Moore-Livingston Adjustable Plant Stands.**

With three sizes of stands all heights can be obtained from 6 to 48 inches.

If your seedsman or supply house cannot furnish them, write, phone, wire or cable us and we are "Johnnies on the spot" for a prompt reply as to where they can be obtained.

**The Moore-Livingston Co.** MAKERS AND PATENTEES **Lansdowne, Pa.**

**PHILADELPHIA OFFICE:** Central Trust Building, 4th and Market Sts., Philadelphia

## AN ANNIVERSARY CELEBRATION.

There was a sound of revelry last Thursday evening on Province street, Boston. It was the annual celebration of their opening by H. M. Robinson & Co., and their friends had gathered in goodly numbers to wish them another prosperous year and accept their hospitality, which was inexhaustible. Complimentary speeches were made by President Stickel of the Flower Market and J. W. Duncan, and happy responses were voiced by the members of the firm. About fifty congratulatory telegrams and telephone messages were received during the evening. It was midnight when the last of the guests departed.

### SOMETHING NEW.

The E. F. Winterson Co have with their usual enterprise secured a quantity of a new green known as Mexican Ivy, to be shown at the National Flower Show. It is very handsome when made up and its keeping qualities are excellent. Mr. Winterson states that it will keep a month without water.

## TIE UP

Your Chrysanthemum Plants with

**GREEN SILKALINE**

Made Especially for that Purpose.

**JOHN C. MEYER & CO., Boston, Mass.**

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty



**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## PHILIP BREITMEYER

**MAYOR-ELECT OF DETROIT.**

A telegram has been received announcing the election of Philip Breitmeyer as Mayor of Detroit by a substantial majority. We heartily congratulate Mr. Breitmeyer on his preferment, Detroit on her good judgment and the florist trade of the country on the honor in which it has a share. We have known Phil. Breitmeyer intimately from the time he



PHILIP BREITMEYER

was a little chap running about his father's flower store. We have watched the success and honors which have been his uninterruptedly and know that he is worthy of it all. His genial, lovable disposition and sterling worth give him a place in the hearts of his fellows the like of which but few men ever attain. He will make a good Mayor for Michigan's metropolis.

Hans Skipke, of Chicago, has come to Indianapolis, Ind., to take a position with A. Weigand & Sons.

## PERSONAL.

J. B. Barnard has taken a position with the W. C. Smith Floral Co., St. Louis, Mo.

Miss Josepha Then, of the Chicago Flower Growers' Market, is ill, and her place is filled by her mother.

Mrs. Rachel Henderson, a florist, was seriously injured in a trolley car collision recently at Millville, N. J.

On Wednesday, Nov. 4, occurred the wedding of Miss Hattie Schuttler of 754 Bosworth street, Chicago, and Mr. Edgar Nelson. The wedding took place at Grace church, of which Mr. Nelson is the organist. The bride is the daughter of Capt. Schuttler, owner of the large florist establishment at Wilmette, just outside of Chicago, known as the Star Greenhouses.

## NOTICE

We desire to notify the trade that we are the owners of United States patent No. 489,218 for Floral Figure which claims:

**R**

"A florist's letter or figure stamped from a sheet of paste-board or other suitable material, having an adhesive coating applied thereto and an outer covering of granules of sawdust appropriately colored to represent the petals of the Helichrysium arenarium substantially as described."

Letters which are a direct infringement of this patent are being put on the market and we intend to hold all who make or sell the infringing letters to strict account.

The lawful patented goods are in every respect much superior to the infringement.

**BOSTON FLORIST LETTER CO.**  
66 Pearl St. N. F. McCarthy, Mgr. Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

**28 STATE ST., BOSTON**  
Telephone, Main 38.



## CHRYSANTHEMUMS

Fancy stock, \$2.00 per doz.  
Good first, \$1.00—\$1.50 per doz.

15,000 White Ivory \$5.00—\$8.00  
Per 100.

The Best Medium Size Mums on the Market.

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.  
Open from 7 a.m. to 8 p.m.



Bright Yellow

## POMPONS

and other colors

\$3.00 per doz.

QUALITY

S. S. PENNOCK-MEEHAN CO.

1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

## POMPONS Assorted Colors. Indoor Stock.

W. E. McKISSICK & BROS.

WHOLESALE FLORISTS

1619-1621 RANSTEAD ST.  
PHILADELPHIA

## AMERICAN BEAUTY and all other ROSES

LILY OF THE VALLEY, CARNATIONS

WELCH BROS., 226 Devonshire St., Boston, Mass.

## CUT FLOWER BOXES

EDWARDS FOLDING BOX CO  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

E. F. WINTERSON CO.

41-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists  
FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.  
Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.  
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS... can fill your orders... line of Hardy... WOOD, HARDY...  
Write for...  
In ordering goods please add "I saw it in HORTICULTURE."

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Nov. 2		TWIN CITIES Nov. 2		PHILA. Nov. 1		BOSTON Nov. 5	
<b>ROSES</b>								
Am. Beauty, Fancy and Special...	20.00	to 25.00	25.00	to 30.00	20.00	to 25.00	15.00	to 25.00
" Extra.....	15.00	to 20.00	15.00	to 25.00	15.00	to 20.00	12.00	to 15.00
" No. 1.....	10.00	to 12.00	12.00	to 15.00	10.00	to 12.00	8.00	to 10.00
Lower grades.....	1.00	to 6.00	8.00	to 12.00	5.00	to 8.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special....	4.00	to 6.00	5.00	to 7.00	4.00	to 8.00	2.00	to 6.00
" Lower grades.....	1.00	to 2.00	3.00	to 5.00	1.00	to 3.00	.50	to 1.00
Killarney, Richmond, Fan. & Sp....	6.00	to 8.00	6.00	to 10.00	6.00	to 8.00	2.00	to 6.00
" Lower grades.....	2.00	to 4.00	4.00	to 6.00	1.00	to 3.00	.50	to 1.00
Kaiserin, Carnot.....	1.00	to 6.00	6.00	to 10.00	2.00	to 8.00	.50	to 6.00
Golden Gate, Chateaufay, etc.....	1.00	to 6.00	4.00	to 7.00	2.00	to 4.00	.50	to 6.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	3.00	to 4.00	2.00	to 3.50	1.50	to 2.00	1.00	to 2.00
Ordinary.....	1.00	to 2.00	1.50	to 2.00	.50	to 1.50	.75	to 1.00
<b>MISCELLANEOUS</b>								
Cattleyas.....	35.00	to 50.00	40.00	to 55.00	40.00	to 50.00	30.00	to 50.00
Lilies.....	6.00	to 8.00	12.00	to 16.00	8.00	to 11.00	6.00	to 8.00
Lily of the Valley.....	1.00	to 3.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Chrysanthemums, Fancy.....	12.00	to 20.00	15.00	to 25.00	15.00	to 25.00	8.00	to 16.00
" Ordinary.....	2.00	to 8.00	10.00	to 18.00	5.00	to 10.00	4.00	to 6.00
Violets.....	.30	to .75	.60	to .90	.25	to .50	.35	to .60
Adiantum.....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	10.00	to 12.00	10.00	to 15.00	12.00	to 15.00	10.00	to 12.50
Asparagus Plumosus, strings.....	35.00	to 50.00	25.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Spreng. (100 bchs.).....	35.00	to 50.00	35.00	to 50.00	35.00	to 50.00	15.00	to 25.50

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE

GROWER of

CUT FLOWERS



## HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000 Galax,  
Green, etc. Leucothoe Sprays green, etc. 25 c.  
Ferns, Dogwood and other special prices. 1000  
of 100,000 and up. Terms, strictly cash, F.O.B. 1  
Park, N.C.

NORTH CAROLINA EVERGREEN CO.  
Banner Elk, N.C.

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Flower Market Reports.

Trade has slackened off considerably within the past few days and is less satisfactory than at any time this season hitherto. There is really nothing on which any improvement can be reported. Roses are longer stemmed and of better quality generally, but they are received in quantity far in excess of the requirements of the market. It is impossible to lift values on any item in the list at the present time, although with freezing weather and Thanksgiving Day only three weeks distant the time for higher rates cannot be far off.

The market for the past two weeks has been in rather bad condition owing to the large amount of stock arriving daily. Chrysanthemums, carnations and roses, also lilies of the valley, violets and in fact, everything in the line of flowers, have been more than plentiful and prices much on the decline. The late chrysanthemums, such as Maud Dean, Broomhead, Bonnaillon and Mrs. Wanamaker are of excellent quality, and select stock sells quite rapidly, while too many ordinary are to be had. Beauties have been rather plentiful and prices rather low. It is hoped that the first week of November will be to the betterment of the market.

Chicago market has not been altogether satisfactory during the past week to the seller. From the buyers' standpoint it was somewhat different. Good flowers could be bought at a very moderate price. The southern orders for All Saints' Day helped very materially to increase the sales for those fortunate enough to receive them. Violets have not sold well and the price dropped to one half during the latter part of the closing week in October. The carnation stock is not uniformly good; many short-stemmed bunches and with small blooms are on the counters in larger quantities than can be disposed of during the week. Chrysanthemums are in the very height of their season and most growers find their stock just as they want it for show week. The market in general is having a brushing up in honor of the many flower show guests to whom Chicago is preparing to give a royal welcome next week.

Business is moving along the regular lines with a shadow of close buying reported in many instances. There are quite a number of weddings but none of very great expenditure. Stock in general is good and supply heavy but no surplus. This indicates, compared with last year, a resumption of the old-time buying we have been longing for. The only retarding feature is the lack of violets, which will not be in much for three to four weeks to come. Some florists are fortunate to have many orchids and these furnish a good substitute for violets.

## WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 3		Nov. 3		Nov. 2		Nov. 3	
ROSES								
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
“ Extra.....	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	12.50	to 15.00
“ No. 1.....	8.00	to 12.00	12.00	to 10.00	8.00	to 15.00	5.00	to 10.00
“ Lower grades.....	2.00	to 4.00	6.00	to 10.00	3.00	to 8.00	2.00	to 4.00
Bride, "Maid, F. & S.....	3.00	to 5.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
“ Low. gr.....	1.00	to 2.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Richmond, Fan. & Sp.....	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
“ Lower grades.....	1.00	to 3.00	4.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Kaiserin, Carnot.....	1.00	to 4.00	6.00	to 8.00	3.00	to 7.00	2.00	to 8.00
Golden Gate, Chateaufay, etc.....	1.00	to 4.00	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00
CARNATIONS								
Fancy and Novelties.....	1.50	to 2.00	2.00	to 4.00	1.50	to 2.00	1.50	to 2.00
Ordinary.....	.50	to 1.00	1.50	to 2.00	1.00	to 1.50	.50	to 1.00
MISCELLANEOUS								
Cattleyas.....	30.00	to 40.00	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies.....	3.00	to 8.00	12.50	to 15.00	3.00	to 12.00	10.00	to 12.50
Lily of the Valley.....	1.00	to 3.00	3.00	to 4.50	3.00	to 4.00	2.00	to 4.00
Chrysanthemums, Fancy.....	15.00	to 25.00	15.00	to 25.00	12.00	to 15.00	12.50	to 20.00
“ Ordinary.....	6.00	to 10.00	6.00	to 12.00	5.00	to 7.00	3.00	to 5.00
Violets.....	35	to 50	.50	to .60	.50	to .60	.25	to .75
Adiantum.....	1.00	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax.....	10.00	to 12.00	12.50	to 12.00	12.00	to 15.00	10.00	to 12.50
Asparagus Plumosus, strings.....	50.00	to 50.00	50.00	to 75.00	40.00	to 50.00	30.00	to 50.00
“ “ & Soren (100 bchs.).....	25.00	to 25.00	40.00	to 50.00	25.00	to 30.00	25.00	to 40.00

The market shows a plentiful supply of all kinds of stock. Of chrysanthemums and carnations there seems to be no end. All kinds of fine roses are abundant but suffering for want of demand. The market affords abundant material for fancy bouquets such as cattleyas, lily of the valley, sweet peas, and violets. Well grown potted plants are outselling cut flowers at the present time. There is an increasing demand for all kinds of foliage and greens. There seems to be no outlet for short-stemmed flowers. It cannot be said that October business was anything to brag about. Wedding decorations were numerous but small; funeral and counter work were below the average. The retailers who are catering to the high class trade are experiencing a very quiet fall.

Towards end of week business improved in a marked degree. Halloween, and other functions, combined with the cooler weather had a marked effect. The first seasonable clean-up for many weeks took place last Saturday. An immense lot of stock was moved off at low prices. Chrysanthemums are, of course, the dominant feature now. On account of the warm weather it was impossible for the growers to hold them back. Many batches intended for Thanksgiving trade had to be cut and let go for whatever they would bring. Quality is about on a par with previous years. We have never seen better Bonnaillons than those now on this market. Roses are not quite so plentiful. Growers of American Beauty are nearly all off crop, and a sharp advance ought to have taken place, if the market had been healthy, instead of water-logged with other kinds of flowers on which buyers could switch off the minute a decent price was

asked. Stocks of this item were well cleaned up, however, and we feel that conditions are now ripe for an upward jump. Carnations are still very plentiful but the quality has improved. The orchid crop has slackened up very decidedly. Violets have been suffering with the heat but a few days of this cool spell will tone them up. The violet fakirs are out again on Chestnut and Market streets after an embargo of many moons. Welcome news for all concerned.

Killing frosts have finished up what little outdoor vegetation was still left. Chrysanthemums are everywhere in the greatest profusion and the fancies are bringing remarkably good prices. Carnations are of good size, but owing to the recent hot spell, are very weak of stem. Violets are in but only in limited quantities. Roses are received in greater abundance every day.

## CHICAGO NOTES.

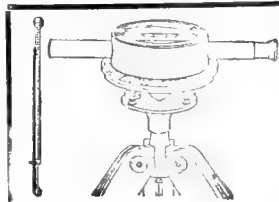
Employees of the Chicago wholesale florists held a dance at Columbia Hall, Wednesday Oct. 28th. A large number were in attendance and a good time enjoyed by all.

The Fleur-de-Lis Club organized by the young lady employees of the A. L. Randall Co., Chicago, will give their first dance at Svithiod Club House on the evening of Nov. 12.

## OBITUARY.

## Richard Coombs.

Richard Coombs, born in the North of Ireland, March 22, 1845, died at West Hartford, Conn., October 21. He has conducted a successful business as florist and market gardener for many years. He is a brother of John Coombs, the well known florist of Hartford.



## EVERYBODY KNOWS

Gardening cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are owned by all who KNOW to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**

Wholesale Commission Florist,  
 Choice Cut Flowers,

57 West 28th St., :: NEW YORK.

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**

All choice cut-flowers in season. Send  
 for quotations. Correspondence with  
 shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephone 4628-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**FRANK MILLANG**

**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
 sale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOED**

43 W. 28th Street, NEW YORK  
 Telephone, 3393 Madison Sq.

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
 Madison Square.

New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephone 3860 Madison  
 3861

NEW YORK

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

**JOHN I. RAYNOR**

**Wholesale Commission Florist** SELLING AGENT FOR  
 LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York  
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND  
 CARNEDIAS, DAISIES, ROSES AND CARNATIONS  
**JAMES McMANUS,** Telephone 753 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City  
 Commission Dealer, Wholesale Buyer  
 and Seller of

Open from 5 a. m. to 6 p. m. Sunday  
 till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.**

**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES		Last Half of Week ending Nov. 7 1908	First Half of Week beginning Nov. 9 1908
American Beauty, Fancy and Specia	.....	8.00 to 12.00	8.00 to 12.00
" " Extra	.....	6.00 to 8.00	6.00 to 8.00
" " No. 1	.....	5.00 to 6.00	4.00 to 5.00
" " Lower Grades	.....	1.00 to 2.00	.50 to 2.00
Bride, 'Ald, Fancy and Special	.....	3.00 to 5.00	3.00 to 5.00
" " Lower Grades	.....	.50 to 1.00	.50 to 2.00
Killarney, Richmond, Fancy and Special	.....	3.00 to 5.00	3.00 to 6.00
" " Lower Grades	.....	.50 to 1.00	.50 to 2.00
Kaiserin, Carnot	.....	.50 to 5.00	.50 to 5.00
Golden Gate, Chateaux, etc.	.....	.50 to 5.00	.50 to 6.00

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
**PHONES, 1664--1665 MADISON SQUARE**  
**ENOUGH SAID**

**TRAENDLY & SCHENCK**

**Wholesale Florists**

**Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.**

CUT FLOWERS  
 AT  
 WHOLESALE

**VIOLETS, CARNATIONS, ROSES  
 ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments in Order, any Distance

39 West 28th Street,

Telephone 6229 Madison Square  
 J. J. COAN, Manager

NEW YORK



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**WHOLESALE FLORISTS**  
54 West 28th St.  
NEW YORK  
Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

**RECEIVERS & SHIP-  
PERS OF CUT  
FLOWERS.**  
CONSIGNMENTS SOLICITED.

### JOHN YOUNG

**WHOLESALE FLORIST**

Finest American Beauties and  
Carnations

51 West 28 St. - NEW YORK

### WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**Greater New York  
Florists' Association,  
Inc.**

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

### H. C. BERNING

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

### REED & KELLER

122 West 25th St., New York

### Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in  
Glassware Decorative Greens and Florists' Requisites

### WEIGEL & UJFALUSSY

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and  
Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed  
in our catalog will be made up promptly on short notice.

### THE KERVAN CO.

Wholesale Dealers and Shippers of

**Decorative Evergreens**

Ferns, Galax, Laurel, Fresh Cypas, Box-  
wood, Sphagnum and all Christmas Greens  
Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

### Green Mountain Ferns

We are still gathering ferns among the  
Green Mountains of Southern Vermont.  
Let us send you a sample case.

G. J. WALKER, - Savoy Centre, Mass.

### GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

### E. A. BEAVEN

**Southern Wild Smilax,  
Log Mosses,**

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

### MISTLETOE

**WHOLESALE ONLY**

Twelve years' experience in gathering and ship-  
ping Mistletoe. Crop will be about fifty-five thou-  
sand pounds. Dates of shipments guaranteed.  
Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.



**HARDY FERNs**  
By the Million  
At \$1 00 per 1000  
Our own picking

N. F. MCCARTHY & CO.,  
84 Hawley St.,  
BOSTON

### Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Nov. 7 1908	First Half of Week beginning Nov. 9 1908
Carnations, Fancy and Novelties. ....	1.00 to 2.00	1.50 to 2.00
Ordinary .....	.75 to 1.00	.75 to 1.00
Cattleyas .....	20.00 to 25.00	20.00 to 25.00
Lilies .....	4.00 to 6.00	4.00 to 5.00
Lily of the Valley .....	1.00 to 2.00	1.00 to 3.00
Chrysanthemums, Fan- y.....	8.00 to 15.00	8.00 to 15.00
Ordinary.....	3.00 to 6.00	3.00 to 6.00
Violets .....	.25 to .50	.20 to .40
Gardenias .....	12.00 to 25.00	12.00 to 25.00
Adiantum .....	.50 to 1.00	.50 to 1.00
Smilax .....	8.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings.....	20.00 to 35.00	20.00 to 35.00
" " & Spren. (100 bchs.).....	12.00 to 25.00	20.00 to 25.00

### NEW YORK FLOWER MARKET.

The past week has, we hope, marked the lowest ebb of business, and the tide should now turn and soon flow strong in the upward direction. Nobody expected much for the few days preceding and following election and so the inaction which has prevailed all along the line was no particular disappointment. Roses are slightly off in quantity, but in the enormous avalanche of chrysanthemums and rapidly increasing cut of carnations and violets, their absence is a blessing. Cattleyas have been very much in over supply and gardenias are somewhat in excess of requirements. Let us hope that from the present time on conditions may rapidly improve. Then all will be forgiven.

### NEWS NOTES.

We have a communication from L. E. Williams, Nottingham, N. H., enthusiastically recommending the new dahlia Jack Rose as a flower of great beauty and sterling qualities.

The Southern Pacific Railway Company, in co-operation with the Department of Agriculture, the State Horticultural Commission, the University of California and the Stanford University, has decided to operate special trains through the state for the dissemination of agricultural and horticultural information.

### GREEN GALAX.

Fresh from the woods, pr mpt shipments, regular size, 40c. per 100, small size for bunching Violets, 35c. 100. 5. discount on 5 cases or more. Kalmia or Mountain Laurel, \$2.00 per case. Holly \$2.50 per case. Bronze Galax, in Dec. and Jan. 40c. per 1000.

Terms: Strictly cash. All shipments North and Northwest, made from our Warehouse, Galax, Va. Express and freight rates less than from N. C. points. We are experienced packers. We guarantee satisfaction. Look us up in Dun or Bradstreets.  
W. M. WOODRUFF & SON, Lowgap, N. C.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. *Gentiana Coerulea*, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

## ARGENTEUIL ASPARAGUS.

Asparagus roots. Argenteuil, raised on new land; good plants, 100—\$1.50. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

## ASPARAGUS

J. M. Thornburn & Co., 33 Barclay St., N. Y. Plumosus Robustus Seeds.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Asparagus Plumosus Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

Asparagus, strong plants, 2-in. Plumosus Nannus, \$2.25; Sprenger, \$2.00 per 100. Chas. Frost, Kenilworth, N. J.

## AUCTION SALES

Oleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Bobbinck & Atkins, Rutherford, N. J.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BEGONIAS

Thomas Roland, Nahant, Mass.  
Gloire De Lorraine.

Begonia Gloire Lorraine, strong plants from leaf cuttings, 2 1/4 inch pots, \$12.00 per 100; \$110.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1183 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Soud Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1183 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

Trade List Now Ready.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Richards Bros., 37 East 19th St., New York.

For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

Lilium Harrisii.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Dutch Bulbs and Florists' Supplies.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

Calla Bulbs.

For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., N. Y.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson New York.

Lilies, Freesias, Hyacinths, Narcissus,

Tulips.

For page see List of Advertisers.

Ralph M. Ward & Co., 12 West Broadway, New York.

Lilium Giganteum.

For page see List of Advertisers.

Lilium Canadense (both red and yellow), and Philadelphicum and other native bulbs.

Also native tree and plant seeds. I have them and will make prices to suit L. E. Williams, Nottingham, N. H.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

Winona.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Andrew Carnegie and Harlowarden.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

Field Grown Carnations.

CARNATIONS, field grown stock of Joost, May Naylor (white) and Flora Hill, good stock, at \$4.00 per 100; \$35.00 per 1000 to clear. Williams & Young, Norwalk, Conn.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.

For page see List of Advertisers.

Stock plants of Polly Rose, October Frost, Touse, Ivory, Wamamaker, ready,

\$3 per 100; Beatrice May, Virginia Poehlmann, Alice Roosevelt, Miriam Hankey, Intensity, Mad. Rosette, White and Yellow Bonnaillon, \$4 per 100. Cash. Harlowarden Greenhouses, Greenport, N. Y.

Chrysanthemum Golden Glow from 2 1/4 in. pots, for early spring delivery, \$5.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucy Denny, Polly Rose and Halliday, \$1.00 per doz; \$8.00 per 100. Peirce Bros., Waltham, Mass.

## CHRYSANTHEMUMS—Continued

Chrysanthemums, stock plants of new English singles. Popular everywhere as pot plants and cut flowers. Ladysmith, deep pink; Mary Anderson, blush; Nancy Perkins, best white; Gertrude, large white; Annie Holden, yellow. Stock limited. Get your order and cash in early. Per doz. \$1.50; fifty, 10 each of above five kinds, \$5. Cash. F. W. Fletcher Co., Boston, Mass., Auburndale Station.

Good strong stock plants from solid bed: White Polly Rose, Ivory, Clementine Touse, Alice Roosevelt, Alice Byron, Angele Laurent, Yellow Monrovia, Cheloni, Mrs. W. Duckham, October Sunshine, Pink Winter Cheer, Glory of Pacific, 25 assorted as wanted, for \$1.00; 100, \$3.50. Cash. Chas. Frost, Kenilworth, N. J.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## COUPLINGS AND FITTINGS

Castle Co., 170 Summer St., Boston.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

Clifford W. Bruton, the best yellow that grows. Extra strong bulbs, true to name, \$7.00 per 100. Stock limited. Half dozen of Giff's hybrid gladiolus free with every 100 dahlias. Cash with order. Ralph Horner, Mt. Holly, N. J.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Joseph Hearcock Co., Wyncote, Pa.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

A. Seltheis, College Point, N. Y.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.

Palmis and Ferns.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

For page see List of Advertisers.

## ELECTRIC CIRCULATOR

The Castle Co., 170 Summer St., Boston.  
Automatic Hot Water Circulator.

**For List of Advertisers See Page 625**



**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway,  
New York, N. Y.

For page see List of Advertisers.

Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERN AND BERRY GLOBES**

Robert Kirt, 1725 Chestnut St., Phila.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

M. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechlin, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Cibotium Schiedel.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago, Ill.

For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Robert Simpson, Clifton, N. J.

Sheep Manure.

For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMolkin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1118 Walnut  
St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4324-28 Olive St.,  
St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N.Y.

For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Av., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

A. Schultheis, College Point, N. Y.

For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 25th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Whilldin Pottery Co., Philadelphia.

Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.

Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 West 28th St., N. Y.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Place, Boston.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.

New and Standard Varieties.

For page see List of Advertisers.

Rooted Cuttings, Mme. Buchner, Poite-  
vine, Gervais, Nutt, Marquis de Castellane,  
Grant, Peter Henderson, \$1.25 per 100.

Cash. Chas. Frost, Kenilworth, N. J.

**GLASS**

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Parshelsky Bros., 59 Montrose Ave.,  
Brooklyn, N. Y.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green  
house Glass. Lord & Burnham, 1133 Broad  
way, N. Y.

**GLAZING DEVICES**

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.

Peerless Glass Repair Clamp.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip gutter  
attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS, MOSS AND GREENS**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 W. 28th St., N. Y.

For page see List of Advertisers.

G. J. Walker, Savoy Centre, Mass.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

E. A. Beaven, Evergreen, Ala.

For page see List of Advertisers.

W. M. Woodruff & Son., Lowgap, N. C.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HEATING APPARATUS**

- Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

- Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

- bay State Nurseries, No. Abington, Mass.
- P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.
- The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.
- Sweet Williams, Canterbury Bells, Vinca Minor. Also Pansies, Robert A. Mitchell, Manchester-by-the-Sea, Mass.

**HOLIDAY PLANTS**

- Geo. A. Kuhl, Pekin, Ill.

**HOT-BED SASH**

- The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

- Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arboreascens Grand. Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

- Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.
- Stumpp & Walter Co., 50 Barclay St., New York.
- Kiln-dried Tobacco Dust.  
For page see List of Advertisers.
- "The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.
- "The Black Stuff Fine Tobacco Powder"—Green flies, and black ones too, die on sight of the bag. 'Tis fine as flour, and made from the black strong tobacco; for dusting of foliage it has no equal. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

APHIDICIDE nicotine paper costs less per effectual fumigation than any other paper made. We guarantee this. We sell direct to the grower; the middleman's profit is placed in the relative strength of the paper. 24 sheets, each sheet 24 inches long, 6 in. postpaid; 144 sheets, each sheet 24 in. long, \$3.50 express paid; 288 sheets, each sheet 24 in. long, \$6.50, express paid. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers.

FOR SALE: 100 lbs. of 149 pounds in 100 lbs. of 149 pounds, about 450 pounds, 200 lbs. of 149 pounds, in 100 lbs. of 149 pounds, cash with order. S. R. L. Co., New York.

**IRIS**

- E. R. P. Co., New York.  
For page see List of Advertisers.
- W. C. Beckert, North Side, Pittsburg, Pa.  
For page see List of Advertisers.

**JAPANESE PLANTS**

- Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**KENTIAS**

- Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.
- A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.
- Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

**LEUCOTHOE**

- No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

- Rostrom-Brady Mfg. Co., 139 Madison Ave., Atlanta, Ga.  
For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

- Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
For page see List of Advertisers.

**MARGUERITES**

- Queen Alexandra Marguerites from 2 in. pots, \$2.00 per 100. E. O. Perry, Berlin, Mass.

**MISTLETOE**

- F. Cecil Barker & Co., Las Cruces, N. Mex.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

- Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.
- Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

- Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

- Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NEW RED HELENUM**

- Frederic J. Rea, Norwood, Mass.  
For page see List of Advertisers.

**NICO-FUME**

- Kentucky Tobacco Product Co., Louisville, Ky.  
For page see List of Advertisers.

**NURSERY STOCK**

- John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.
- Bay State Nurseries, N. Abington, Mass.  
Ornamental Trees.
- Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.
- P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
For page see List of Advertisers.
- Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.  
For page see List of Advertisers.
- D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.
- Robbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.
- Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.  
Norway and Sugar Maples.  
For page see List of Advertisers.
- American Nursery Co., 150 Broadway, New York, N. Y.  
For page see List of Advertisers.

- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS  
ELLWANGER & BARRY, Rochester, N. Y.

**ORCHID BASKETS**

- J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

- Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.
- Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists  
For page see List of Advertisers.
- Carrillo & Baldwin, Secaucus, N. J.  
For page see List of Advertisers.
- Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.
- Ordonez Bros., Madison, N. J., Box 106.  
For page see List of Advertisers.
- Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

- PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.
- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PANSY PLANTS.**

- Augustus Zirngiebel, Needham, Mass.  
For page see List of Advertisers.
- Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

**PATENTS**

- Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAS**

- Leonard Seed Co., Chicago, Ill.  
Alaska and Horsford Pea Deliveries.  
For page see List of Advertisers.

**PEAT**

- Wm. Mathews, Utica, N. Y.  
Orchid Peat.  
For page see List of Advertisers.
- J. A. Manda, 191 Valley Rd., W. Orange, New Jersey  
For page see List of Advertisers.

- Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

- Henry A. Dreer, 714 Chestnut St., Phila.  
Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.
- Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.
- One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

- Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

- Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.
- Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.
- PIPE AND FITTINGS. Cast Iron and Wrought Pipe. Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

- Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**PLANT TUBS**

- Henry A. Dreer, 714 Chestnut St., Phila.

**POT HANGERS**

- Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**For List of Advertisers See Page 625**

**POINSETTIAS**

The E. G. Hill Co., Richmond, Ind.

**PRIVET**

800,000 Cal. Privet, 2 years old, 2½ to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st  
St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Houghton & Clark, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St.,  
Boston.  
For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut  
St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis.  
Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene  
Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Bay State Nurseries, N. Abington, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
Bride and 'Maid.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.  
Rose Newport Fair.  
For page see List of Advertisers.

**ROSES—Continued**

Carlman Ribsam, Trenton, N. J.  
For page see List of Advertisers.

Low-budded roses, No. 1, \$85.00; No.  
11-2, \$65.00 1000. H. T. Jones, Elizabeth,  
N. J.

Roses, strong, own root, 4 inch Chateaux,  
Killarney, Richmond and Maid, \$8 per 100.  
Slebrecht & Son, New Rochelle, N. Y.

The beautiful new pink rose, MISS  
KATE MOULTON is the queen of all  
pink roses. It's a winner and you should  
grow it. Price \$30.00 100; 500 \$125.00;  
1000 \$200.00; 5000 and upwards \$175 per  
1000. Minneapolis Floral Co., Minneapolis,  
Minn.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEED GROWERS**

C. C. Morse & Co., 48-56 Jackson St.,  
San Francisco, Cal.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
Cauliflower and Cabbage Seed.  
12 Stronggade, Copenhagen, Denmark.  
For page see List of Advertisers.

**SEEDS**

1. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St.,  
New York.  
For page see List of Advertisers.

H. F. Michell Co., 1017 Market St., Phila.  
For page see List of Advertisers.

Hjalmar Hartmann & Co.,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market  
St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq.,  
Boston.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St.,  
San Francisco, Calif.  
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.  
For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds  
in large or small quantities. C. S. Harri-  
son's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago.  
For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SMILAX**

Smilax, strong, bushy plants, 2½ in. pots,  
\$2.00 per 100. D. H. Ruthrauff, Seneca  
Falls, N. Y.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. Lager &  
Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales,  
\$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash.  
H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopesay,  
So. Bend, Ind.  
For page see List of Advertisers.

**STEAM TRAP**

E. Hppard, Youngstown, O.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TOBACCO STEMS**

W. C. Beckert, North Side, Pittsburg, Pa.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**VEGETABLE SEED**

R. Vincent, Jr. & Sons Co., White Marsh,  
Maryland.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY, New  
Model encased, self-rolling gear; Standard  
Model Open Gear. Lord & Burnham, 1183  
Broadway, N. Y.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Weigel & Ujfalussy, 136-138 W. 28th St.,  
New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.

Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40  
Broadway, Detroit, Mich.

Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

Wirework—Compare our prices with  
others. Scranton Florist Supply Co.,  
201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 228 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**Cromwell, Conn.**

A. N. Pierson, Cromwell, Conn.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40  
Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

# "NICO-FUME"

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

JUST NOTE PRICES!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



## THE WHILLDIN POTTERY COMPANY

### THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— Continued New York

- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Baynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.
- George Saltford, 45 W. 28th St., New York.  
For page see List of Advertisers.
- Frank Muller, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- B. S. Shinn, 55 and 57 W. 28th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.

### Philadelphia

- W. E. McKissick, 1619-1621 Ranstead St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Nielsen Co., 120 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-16 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### Pittsburg

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

### WHOLESALE FLORISTS— Continued

#### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### ARAUCARIA EXCELSA: ORANGE TREES.

- Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

### AUCTION SALES OF HOLLAND NURSERY STOCK.

- Wm. Elliott & Sons, 42 Vesey St., New York.  
For page see List of Advertisers.

### BAY TREES: BOXWOOD: AUCUBAS.

- Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

### BOX TREES: EVERGREENS FOR TUBS AND BOXES.

- New England Nurseries, Inc., Bedford, Mass.  
For page see List of Advertisers.

### CHRYSANTHEMUMS ON EXHIBITION AT CHICAGO.

- Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

### CYCLAMEN.

- Thomas Roland, Nahant, Mass.  
For page see List of Advertisers.

### CYCLAMEN SEED.

- H. F. Michell Co., 1018 Market St., Phila.  
For page see List of Advertisers.

### FORCING RHUBARB AND ASPARAGUS.

- Warren Shinn's Nursery Stock, Woodstown, N. J.  
For page see List of Advertisers.

### INVITATION TO NAT. FLOWER SHOW VISITORS.

- Frank Oechslin, 2570-2596 W. Adams St., Chicago.  
For page see List of Advertisers.

### LILIUM LONGIFLORUM, JAPAN GROWN.

- T. J. Grey Co., 32 S. Market St., Boston.  
For page see List of Advertisers.

### NEW OFFERS—Continued LINDEN TREES—WANTED.

- J. H. Troy, 24 E. 34th St., New York.  
For page see List of Advertisers.

### NEW CARNATIONS.

- Charles Knopf Floral Co., Richmond, Ind.  
For page see List of Advertisers.

### NEW DAHLIAS.

- Central Seed & Bulb Co., 121-3, Kinzie St., Chicago, Ill.  
For page see List of Advertisers.

### RETAIL FLORIST.

- M. Bowe, 1204 Broadway, New York.  
For page see List of Advertisers.

### ROSES: CHRYSANTHEMUMS: CARNATIONS: GERANIUMS.

- E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

### SHEEP MANURE.

- Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

### STOCK SEED FOR WINTER BLOOMING.

- H. E. Fiske Seed Co., Faneuil Hall Square, Boston.  
For page see List of Advertisers.

### U-N-IT GLOBE SPRAYER.

- J. F. Cass Mfg. Co., Detroit, Mich.  
Dept. H.  
For page see List of Advertisers.

### VINCA VARIEGATA.

- H. T. & A. H. Funnell, Huntington, N. Y.  
For page see List of Advertisers.



Standard  
Flower.. **POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

## List of Advertisers

Page	Page
Advance, The Co. . . . . 627	McKellar Charles W. 616
American Nursery . . . 611	McKissick, W. E. & Bros. . . . . 616
American Nurs-ry Co 611	McManus Jas. . . . . 618
Aschmann Godfrey . . . 600	Meyer J. C. & Co. . . . 615
Atlanta Floral Co. . . . 614	Michael H. F. Co. 613-625
Barker F. Cecil & Co 619	Michigan Cut Flower Exchange. . . . . 619
Bambrick Thos. H. . . . 625	Millang Bros. . . . . 618
Barrows H. H. & Son. 660	Millang Frank. . . . . 618
Bassett & Washburn. 598	Mitting, A. . . . . 613
Bayersdorfer H. & Co 615	Moninger J. C. . . . . 626
Beaven E. A. . . . . 619	Moon Samuel C. . . . . 611
Bernine H. G. . . . . 619	Moore, Hentz & Nash 618
Bobbing & Atkins . . . 611	Moore-Livingston Co 615
Boddington A. T. . . . 613	Morse C. C. & Co. . . . 613
Boston Florist Letter Co. . . . . 615	Murdoch J. B. & Co. . . 616
Boston Plate and Window Glass Co. . . 626	Murray Samuel . . . . 614
Bostrom-Brady Mfg. Co. . . . . 617	New England Nursery series. . . . . 611
Bowe, M. A. . . . . 614	Niessen Leo Co. . . . . 616
Breck Joseph & Sons 613	North Carolina Evergreen Co. . . . . 616
Breitmeyer's J. Sons. 614	Oechslein Frank. . . 599-600
Bridgeman's Seed Warehouse. . . . . 613	Ordonez Bros. . . . . 599
Budlong J. A. . . . . 616	Ouwkerk P. . . . . 611
Burpee W. A. & Co. 613	Palethorpe P. R. Co. . . 625
Carrillo & Baldwin . . 599	Park Floral Co. . . . . 614
Central Seed & Bulb Co. . . . . 609	Payne John A. . . . . 626
Chicago Carnation Co. . . . . 598	Pennock-Meehan Co. 616
Clarke's David, Sons, 614	Perkins St. Nurseries. 600
Cleary's Horticultural Co. . . . . 611	Pierson, A. N. . . . . 600
Cotsonas Geo. & Co. 619	Pierson F. R. Co. . . . 609
Cowee W. J. . . . . 619	Pierson U Bar Co. . . . 628
Craig, Robt Co. . . . . 598	Peehlmann Bros. Co. 616
Crawback Geo. W. . . . 619	Pratt B. G. Co. . . . . 625
Dingee & Conard Co. 598	Pulverized Manure Co 612
Doane Geo. B. & Son 127	Quaker City Machine Co. . . . . 627
Dorner F. Sons & Co 198	Raynor John I. . . . . 618
Dreer H. A. . . . . 599-626	Reed & Keller. . . . . 619
Dunlop John H. . . . . 614	Reinberg Peter. . . . . 616
Dysart R. J. . . . . 615	Ribsam Carlman. . . . 611
Edwards Folding Box Co. . . . . 616	Rice Bros. . . . . 616
Elliott Wm & Sons 610-612	Richards Bros. . . . . 613
Elm City Nurs'y Co. 611	Robinson H. M. & Co. 616
Esler J. G. . . . . 627	Rock Wm. L. Flo. Co. 614
Ernest W. H. . . . . 624	Roehrs Julius Co. 598-599
Eyres . . . . . 614	Roper Albert. . . . . 598
Farquhar R. & J. & Co. 612	Roland, Thomas . . . . 598
Fiske, H. E. Seed Co. 613-625	Rolker August & Sons 625
Foley Mfg. Co. . . . . 617	Rose Hill Nurseries. 600
Ford Bros. . . . . 628	Salford Geo. . . . . 618
Froment H. F. . . . . 618	Sander & Son. . . . . 599
Funnell, H. T. & A. H. 611	Schultheis Anton . . . 548
Galvin Thos. F. . . . . 614	Schultz Jacob. . . . . 615
Greater N.Y. Florists' Association. . . . . 619	Scott, John. . . . . 600
Grey T. J. Co. . . . . 613	Sharp, Partridge & Co 626
Growers' Cut Flower Co. . . . . 618	Sheridan W. F. . . . . 618
Gude Bros. Co. . . . . 614	Shinn's, Warren Nursery Stock. . . . . 609
Guttman Alex. J. . . . . 618	Siggers & Siggers. . . 627
Hall Asso. . . . . 627	Simpson Robt. . . . . 612
Hartmann Hjalmar & Co. . . . . 613	Situations & Wants. 625
Hauswirth M. C. & J. E. 614	Slinn B. S. Jr. . . . . 618
Heacock Jos. & Co. . . 600	Smith Elmer D. & Co. 98
Herbert David & Son. 600	Smyth Wm. J. . . . . 614
Hews A. H. & Co. . . . 624	Standard Plate Glass Co. . . . . 626
Hilfinger Bros. . . . . 625	Stearns A. T. Lumber Co. . . . . 627
Hill, The E. G. Co. . . . 598	Stump & Walter Co. 625
Hippard E. . . . . 562	Thorburn J. M. & Co 613
Hoffman . . . . . 615	Totty Chas. H. . . . . 598
Horan E. C. . . . . 618	Traendly & Schenck. 618
Houghton & Clark. 614	Troy J. H. . . . . 598
Hunt E. H. . . . . 625	Twomey D. J. . . . . 611
Kentucky Tobacco Product Co. . . . . 624	Valentine, J. A. . . . . 614
Kervan The Co. . . . . 619	Vincent R. Jr. & Sons, 598-612
Kessler, P. F. . . . . 618	Walker G. H. . . . . 619
King Cons. Co. . . . . 627	Ward R. M. & Co. . . . 609
Klokner Alexander . . 626	Waterer John & Sons. 611
Knoop, Cha. J. Flor. Co. 598	Weathered Co. . . . . 628
Kopcsay Jos. C. . . . . 627	Weber F. C. . . . . 614
Kroeschell Bros. Co. 627	Welch Bros. . . . . 616
Kuebler Wm. H. . . . . 619	Weigel & Uffalussy. 619
Lager & Hurrell . . . . 599	Whilldin Pottery Co. 624
Langjahr, Alfred H. . . 618	Wilson. . . . . 614
Leonard Seed Co. . . . 612	Winterson, E. F. Co. 616
Leuthy A. & Co. . . . . 600	Wittbold Geo. Co. . . . 600
Lord & Burnham Co. 628	Wood Bros. . . . . 599
Lutton W. H. . . . . 627	Woodruff W. M. . . . . 610
Manda Jos. A. . . . . 599	Woodrow, Sam'l A. . . 618
MacMulklin E. A. . . . 614	Yokohama Nursery Co 600
Mathews Wm. . . . . 109	Young A. L. . . . . 619
McCarthy N. F. & Co. 619	Young John. . . . . 619
McConnell Alex. . . . . 614	Young & Nugent. . . . 614
	Zangen O. V. . . . . 613
	Zinn Julius A. . . . . 615
	Zirngelbe A. . . . . 599
	Zvolanek A. C. . . . . 613

Is Your Name In The Above List? If Not, Why Not?

## "SCALECIDE"

PRATT'S

TRADE MARK, REG. U. S. PAT. OFF.

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than lime sulphur. Not an experiment. Write for FREE sample and endorsement of leading fruit growers and entomologists who have used it for years.

Prices: 50-gal. bbl., \$25.00; 30 gal. tin, \$15.00; 10-gal. can \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00. f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water.

"Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper."

B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## SITUATIONS WANTED

WANTED—Situation as assistant or second man in commercial place; experienced in carnations and general florists' stock. Can furnish best of references from well-known establishments. Address J. L., care HORTICULTURE.

SITUATION WANTED—By all-around foreman where full charge is given. Good grower of American Beauty, Teas, carnations, etc., also good at grafting on Manetti. Long experience on first-class wholesale and retail places. A hustler. Sober. Married. Permanent position. References. State wages. Address Roses, 180 Grand St., Jersey City, N. J.

ALL ROUND greenhouse hand wishes position, strictly sober, willing. German Florist, 150 Central Ave., Brooklyn, N. Y.

## FOR SALE

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/2 " " " 5.25	60 8 " " " 3.00
1500 2 3/4 " " " 6.00	
1000 3 " " " 5.00	HAND MADE
800 3 3/4 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
144 6 " " " 3.16	24 12 " " " 4.80
	12 14 " " " 4.80
	12 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts., 31 Barclay St., N. Y. City

In ordering goods please add "I saw it in HORTICULTURE."

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

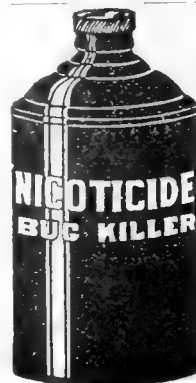
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind

FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface. One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.



### GREENHOUSES BUILDING OR CONTEMPLATED.

Minot, N. D.—George Valke, one house.

Cedar Rapids, Ia.—J. G. Crozer, one house.

Elgin, Ill.—Morton Morgan, one house.

Hyde Park, N. Y.—John Germond, one house.

Bridgewater, Mass. John Sarcasop, additions.

Bloomsburg, Pa.—D. H. Creveling, one house.

Fulton, N. Y.—Fulton Greenhouses, one house.

College View, Neb.—Union College, house 20x40.

Wilkesbarre, Pa.—John Maddern, house 20 x 50.

Des Plaines, Ill.—W. F. Hoerber, range of houses.

Ft. Dodge, Ia.—North Floral Co., range of houses.

Toronto, Ont.—Park Dept., palm house in Allan Gardens.

### SAXON FOREST PEST.

A report from Consul Carl Bailey Hurst states that fears are entertained in the Plauen district of Saxony that many of the forests will be destroyed in part, if not altogether, by the ravages of caterpillars of the moth called by local entomologists *Ocnaria monacha*, and popularly known as nuns or black arches. Under date of August 29, he writes:

This species is particularly harmful to coniferous trees, in which Saxony abounds. Although at home throughout Germany, its arrival in increased numbers in outlying parts of the country was noticed with some apprehension a few weeks ago. It was supposed that its appearance was only sporadic and temporary. Fostered by no one knows what favorable conditions, literally clouds of the moths have developed of late. Localities that were exempt are now infected by moths which have come by means of the railroad. Attracted by the light, they have clung at night to the slower moving accommodation trains and have been transported from forests where the plague is present to others hitherto free.

Combating with a foe so widespread and elusive the struggle is an unequal one, with the chances in favor of the moth. In case nothing effective can be accomplished at once, it is believed that by another year the insects will multiply a thousand fold. If their natural enemies, the birds, and their own diseases, which together have in the past kept their numbers down, do not weaken them materially, it is hoped that some climatic change will cause them to disappear with the same uncanny suddenness that they came.

There is anxiety as to the best method of exterminating the pest. State and commercial forests are being inspected and moths and caterpillars picked off the trees wherever possible. Private owners of wooded land have had their property gone over with the purpose of destroying as many of the insects, particularly the more dangerous females, as may be caught. In the forests belonging to the municipalities 6000 men have been employed in the past few days.

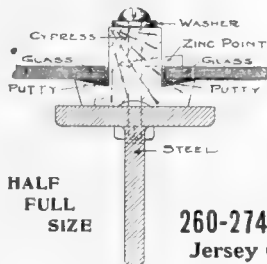
In at least part of the country an especial method has just been arranged for the destruction of the insects. On the roof of the town of Hildburghausen powerful searchlights were pointed at exhaust pipes, with the result that in a single night 130 pounds were taken, estimated at half a million moths. In the rural districts children have been given the day from school to hunt for the moths, for which they are given a couple of cents for every 100 caught. The hope of all efforts, however, is to be in the same shape as before.



### The "T" Bar Curved Eave Greenhouse

Is absolutely Dripless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed—all steel inside, all wood outside.

#### Greenhouses of Every Type



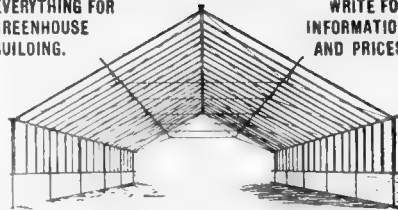
**JOHN A. PAYNE**

Greenhouse Designer and Builder

260-274 Culver Ave.  
Jersey City, N. J.

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame H uses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

### GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

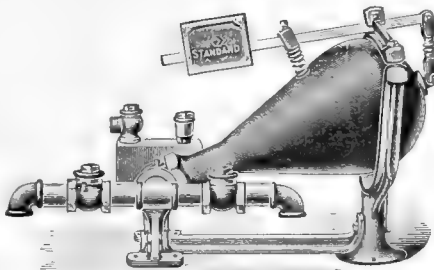
**BOSTON PLATE & WINDOW GLASS CO.**

### GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

### THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

### STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

**Always Write Us Before Buying SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

**PEERLESS REPAIR CLAMP**  
GLASS



MADE OF ZINC

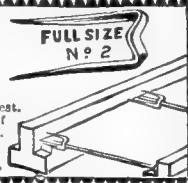
TO REPAIR CRACKED GLASS IMMEDIATELY AND PERMANENTLY  
100 lights saved for \$100. Ask your dealer or  
address A. KLOKNER, Wauwatosa, Wis.

**Holds Glass Firmly**

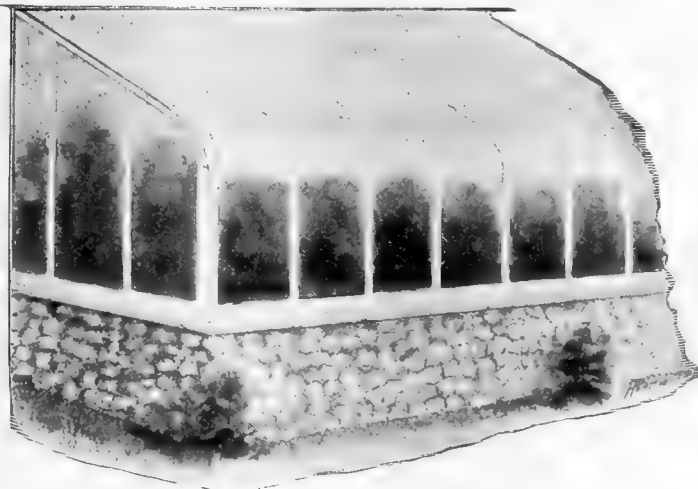
See the Point 47  
**PEERLESS**

Glazing Points are the best.  
No rights or lefts. Box of  
1,000 points 75 cts. postpaid.

**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.



In ordering goods please add, "I saw it in HORTICULTURE"

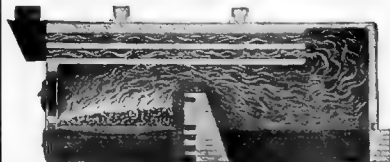


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

A trial order will quickly prove to you the truth of the claims made in our new printed matter, that we have no superiors in our line, that our goods are made of the best material, that our machine lasts the longest, is the easiest operated and erected and sold at reasonable profits and prices. Drop a card for circular, &c.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

**CHICAGO**

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

**From a Full Supply of Thoroughly Seasoned Lumber**

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

## CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

In ordering goods please add "I saw it in HORTICULTURE."



Awarded diploma and medal, 1907, for the celebrated Shower Maker, \$1 00  
Dealers and jobbers, ask for sample, price and electros for catalogs.  
**JOSEPH KOPJAY,** South Bend, Ind.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

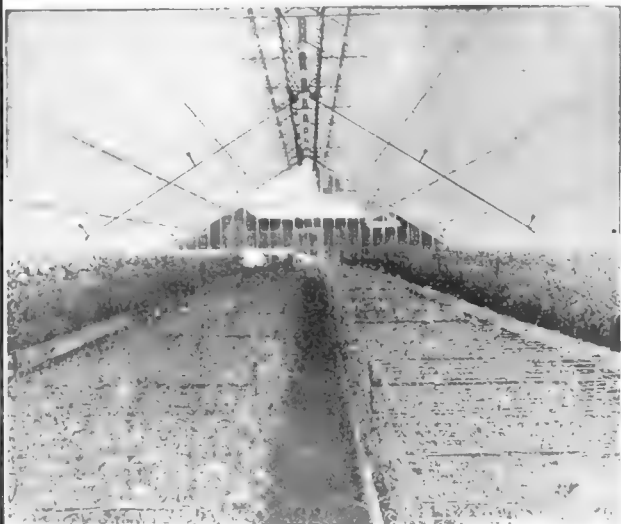
Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

**The FLORISTS' HAIL ASSOCIATION OF AMERICA,** insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

## THE HOUSE OF GREATEST SUNLIGHT

LIGHTEST INTERIOR in the WORLD  
THIS HOUSE IS 33 1-3 FEET WIDE  
Note: No Columns



Erected for J. J. BROZAT, Bloomfield, N. J.

BY THE

### WEATHERED COMPANY

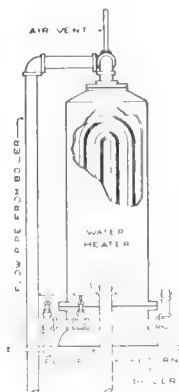
IRON FRAME, SEMI-IRON FRAME, OR ALL SASH  
BAR HOUSES, ERECTED OR MATERIAL ONLY

... SEND FOR CATALOGUE ...

P. O. Address Box 789

NEW YORK CITY, N. Y.

## WARM WATER FOR SPRAYING



We have a Water Temperer made especially for warming spraying water, etc. in greenhouses. It takes up very little space and can be readily connected by your own men. You will find it fully illustrated and described on page 77 of our Handy Hand Book. If you haven't the book, send for it.

### LORD & BURNHAM CO.

MAIN SALES OFFICE:

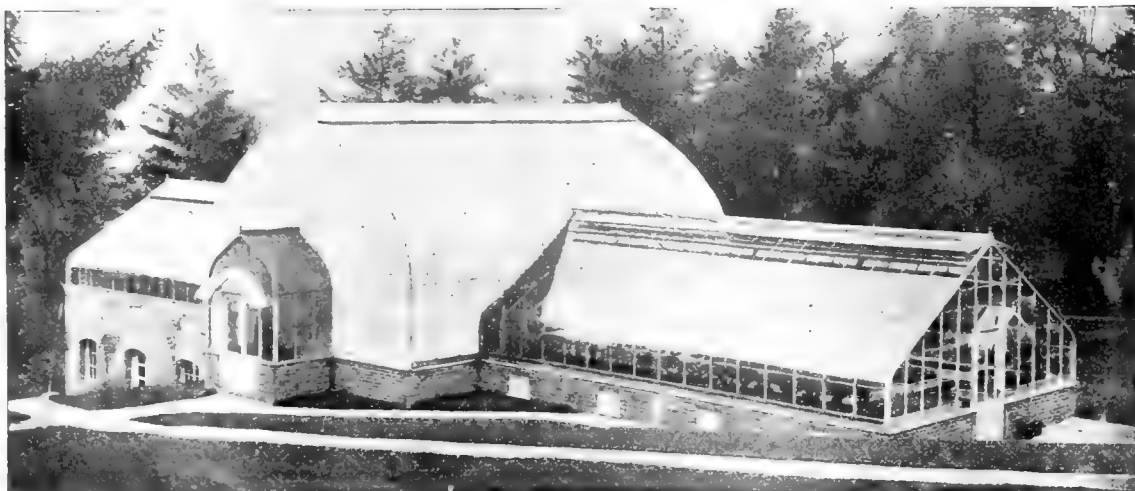
1133 BROADWAY, NEW YORK

BOSTON:

819 Tremont Building

PHILADELPHIA:

1215 Filbert St.



## THEN THERE IS ANOTHER SIDE TO IT

the side that might be called adaptableness — by that we mean the successful way the U-Bar construction lends itself to houses suitable for all sorts of difficult locations or definite, proscribed needs.

This house is built on the steepest kind of a side hill, and is within plain view from the residence terrace, some 100 yards or so up the hill. A case where the purely practical and the ornamental were absolute requisites.

It is the ideal construction for private estates, parks, public institutions and florists' showrooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII. NOVEMBER 14, 1908 No. 20



NATIONAL FLOWER SHOW, CHICAGO  
General View from Balcony

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER,  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*

# GERANIUMS

We have the largest collection of Geraniums in this country, and an immense stock ready for immediate shipment, in first class condition, from 2 in. pots. We have all the best Standards at \$2.00 per 100, \$18.50 per M and up to the newer varieties and novelties.

We offer 1000 in 20 good distinct varieties, our selection for \$18.50, cash with order. We have made a specialty of these collections for a number of years and they have given general satisfaction.

WRITE US YOUR GERANIUM WANTS and we will make you very interesting special prices, for immediate or future delivery. Send for our New Price List for 1908-1909. Our Descriptive Catalogue will be issued about Dec. 10th.

**HARDY CHRYSANTHEMUMS**, 2 in. pots, last spring stock, Extra strong, splendid assortment, \$2.00 per 100.

**LEMON VERBENA**, 40c a doz., \$2.00 per 100.

**RUBBER, Ficus Elastica**, good top cuttings, well rooted, \$1.50 a doz., \$10.00 per 100.

**R. VINCENT JR. & SONS CO., White Marsh, Md.**

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION

## O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

**PRICES**  
Rooted cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 500, 35.00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.**

## NEW CARNATIONS 1908-1909.

**THE CREAM OF THE NOVELTIES. YOU WILL WANT THEM ALL.**

**MRS. CHAS. KNOPP.** Parker, Better and Freer than Enchantress. •  
**RUBY.** The Scarlet Crimson. Send for Description. \$12.00 per 100; \$100.00 per 1000.  
**LAWSON-ENCHANTRESS.** Enchantress with the Lawson Color. A Success Wherever Grown.  
**SARAH HILL.** The Grandest Winter Flowering Variety Sent Out in Recent Years.

We have good stock of these varieties and can make early delivery.  
\$5.00 per 100. \$50.00 per 1000.

**CHARLES KNOPF FLORAL COMPANY, RICHMOND, IND.**  
Formerly the B. K. & B. Floral Co.

## CARNATIONS

**Winona**, Pure Pink, strong, healthy field-grown plants, for immediate shipment, \$12 per 100; \$100 per 1000.

**F. DORNER & SONS CO.**  
La Fayette, Ind.

## ANDREW CARNEGIE SCARLET HARLOWARDEN

**FINE PLANTS**

\$12.00 per 100, \$100.00 per 1000

**CHICAGO CARNATION CO.**

A. T. PYFER, Mgr. JOLIET, ILL.

## CHAS. H. TOTTY Chrysanthemums MADISON, N. J.

### CYCLAMEN GIGANTEUM

5, 6 and 7 in. pots—50c, 75c, and \$1.00 each.

Extra heavy stock of the very best quality.

**Thomas Roland,**  
Nahant, Mass.

## SMITH'S NEW MUMS

Are in strong demand each year.

Past experience of commercial growers has established the merits of our products. Of those we have sent out during the past twenty years many are still favorites and live issues.

The present year's novelties have been well received. Those for 1909 are of the same high standard. They have good stem, foliage and produce fine flowers from late buds.

**G. LORIE**—Enchantress Pink. Oct. 10 to 20.  
**PRES. TAFT**—Incurved White. Oct. 25 to Nov. 5.  
**MRS. KELLEY**—Bright Yellow. Nov. 10 to 20.

Price 50c each, \$4.00 per ten, \$35.00 per hundred, \$300.00 per thousand

Orders filled in strict rotation beginning in January.

Preliminary list of all Foreign Novelties now ready

Sent on Application.

**ELMER D. SMITH & CO.**  
Successors to Nathan Smith & Son  
ADRIAN, MICH.

## The New Hydrangea Arborescens Grandiflora, the coming Forcing Plant

Forces easily, may be brought in for Easter or Memorial Day. Our stock is specially grown for forcing: field-grown, well supplied with roots.

Per 100  
2-year, 1½ to 2 feet, 3 to 4 stems ..... \$20.00  
2-year, 2 to 2½ feet, 4 to 6 stems ..... 30.00  
3-year, 3 to 3½ feet, 4 to 8 stems ..... 50.00

All one year tops 10 at 100 rates. Cash or satisfactory reference from unknown parties. Refer to any florist or National Bank in Springfield.

**THOS. A. McBETH, SPRINGFIELD, OHIO**

## NEWPORT FAIRY

THE ROSE OF THE FUTURE FOR IN AND OUT DOOR.

**Fine, Strong, Field-Grown Stock**

3—4 Shoots 3—4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.**  
RUTHERFORD, N. J.

## New Roses, Chrysanthemums, Carnations, Geraniums.

Send for Price List

**The E. G. HILL CO., Richmond, Ind.**

## ROSES

**A SPECIALTY**

**The Dingee & Conard Co.** West Grove PA.

## ROBERT CRAIG CO. ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.



## ORCHIDS

We have some handsome early **Percivaliana** which we positively guarantee to bloom between now and Christmas, as the buds are visible on the stem. No less than two new strong growths on each plant. The flowers will more than repay purchase of plant. Plants with 7 to 10 bulbs \$1.00 each; from 10 to 15 bulbs \$1.25.

**ORDONEZ BROS., Madison, N. J.**

## ORCHIDS

*Largest Importers, Exporters, Growers and Hybridists in the World*

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
NEW YORK CITY

## IMPORTED ORCHIDS

Arrived in Superb Condition

**Vanda coerules, Cattleya Trianae,**  
**Cattleya gigas Sanderiana, Cattleya**  
**Schroederiae, Oncidium varicosum.**

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

**Orchid Baskets and Peat**  
*Write for Prices*

**JOSEPH A. MANDA**  
191 Valley Road - WEST ORANGE, N. J.

## ORCHIDS

Our latest importations have been, **Cattleya Chrysoxantha, Cattleya Gaskelliana, Cattleya Gigas**, (Hardyana district), **Phalaenopsis Amabilis Schilleriana** and others. We will receive in a short time, **Cattleya Dowiana, Miltonia Vexillaria** and others.

**GARRILLO & BALDWIN**  
SECAUCUS, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....50c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

**Osmunda roots.**

**WM. MATHEWS, - Utica, N. Y.**

## ZIRNGIEBEL'S FINE STRAIN

### OF PANSY PLANTS

NOW READY. Known for a quarter of a century. \$4.00 per 1000, 50 cents per 100.

**AUGUSTUS ZIRNGIEBEL,**  
Cash with the order. **NEEDHAM, Mass.**

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS**  
COLLEGE POINT, NEW YORK

## CALLA LILIES

150 Callas in 8-inch Pots. 3 and 4 bulbs each. To make room. In first-class condition, three dollars per dozen.

**EDMUND REARDON,**  
Cambridge, Mass.

# DREER'S SPECIAL OFFER OF Bay Trees, Boxwood AND Aucubas

**Bay Trees (Laurus Nobilis).**

**Standard or Tree-Shaped.**

We offer a recent importation of excellent trees of exceptional good value, dense bushy heads, of rich dark-green.

High.	Diameter.	Each.
Stems, about 45 in. . crowns, 24 to 26 in. .		\$6.00
" " 45 in. . " 26 to 28 in. .		7.50
" " 45 in. . " 30 to 32 in. .		10.00
" " 45 in. . " 34 to 36 in. .		12.50
" " 45 in. . " 40 to 42 in. .		15.00

**Dwarf Standards.**

High.	Diameter.	Each.
Stems, about 24 in. . crowns, 15 in. .		\$2.00
" 28 to 30 in. . " 20 to 22 in. .		4.00
" 30 in. . " 24 to 26 in. .		6.00

**Pyramidal Shaped.**

High.	Diameter at Base.	Each.
3 feet . . . 16 inches . . .		\$2.00
4½ " . . . 24 to 26 " . . .		6.00
5 " . . . 26 to 28 " . . .		7.50
6 " . . . 30 " . . .		10.00
6 " . . . 32 to 34 " . . .		12.50
7 " . . . 38 to 40 " . . .		15.00

**Pyramid-Shaped Box.**

Good, Shapely Specimens of good value.

High.	Diameter at Base.	Each.
30 to 36 inches . 15 inches . . .		\$2.00
40 to 42 " . 16 to 18 " . . .		2.50
48 to 50 " . 18 to 20 " . . .		4.00
54 to 60 " . 20 to 22 " . . .		5.00

**Standard or Tree-Shaped Box.**

High.	Diameter.	Each.
Stems, 20 to 24 in. . crowns, 12 to 14 in. .		\$1.25
" 20 to 24 in. . " 14 to 16 in. .		1.50
" 22 to 24 in. . " 22 to 24 in. .		3.50

**Bush-Shaped Box.**

A nice lot of shapely, bushy, plants useful for decorative work, filling window boxes, etc.

High.	Per Doz.	Per 100.
10 to 12 inches . . . . .	\$2.00	\$15.00
12 to 15 inches . . . . .	3.50	25.00

**Aucuba Japonica.**

High.	Each.	Per Doz.
Very bushy plants. 12 in. .	.30	\$3.00
" " 18 to 20 in. .	.40	4.50
" " 24 in. .	.60	7.00

A limited lot of specimen plants, very fine, \$3.00 each.

For the most complete list of seasonable stock that can be offered at this season of the year see our current Wholesale Price List.

If you have not received a copy it will be mailed to you on Application.

## HENRY A. DREER, Inc.

714 Chestnut St., Philadelphia, Pa.



PYRAMID BAY

## Orchids Freshly Imported

We offer a superb lot of **Cattleya gigas Sanderiana** just arrived; also **Cattleya Bogotensis**, **C. gigas** (Hardyana type), **C. Schroederiae**, **C. labiata**, **Miltonia vexillaria**.

ORCHIDS ESTABLISHED. Of these we have large quantities in finest condition and at right prices.

**LAGER & HURRELL, Summit, N. J.**

## HEACOCK'S PALMS

Order now while they can be shipped  
by freight saving heavy expressage.

Our stock consists of strong, healthy well  
established, home grown plants.

A visit to our Greenhouses will convince you, 25 minutes from  
Philadelphia, 5 trains each way every day.

Get your orders in early—it pays.

### WHOLESALE PRICE LIST

#### COCOS WEDDELLIANA

2 1/2-in. pot, 8 to 10 in. high.....	\$10.00
2 1/2-in. " 10 to 12 " .....	15.00

#### KENTIA BELMOREANA

5-in. pot, 6 to 7 leaves, 18 in. high.....	\$6.00	50.00
5 " " " 20 " " .....	7.00	70.00
7 " " " 32 to 34 " " .....	2.50	
7 " " " 36 to 38 " " .....	3.00	
9 in. tub, " 42 to 48 " " .....	5.00	
9 " " " 50 to 60 " " .....	7.50	

#### KENTIA FORSTERIANA

6-in. pot, 4 to 5 leaves, 28 to 30 in. high.....	1.00	12.00
6 " " " 30 to 32 " " .....	1.25	15.00
6 " " " 34 to 36 " " .....	1.50	18.00

#### MADE-UP KENTIA FORSTERIANA

7-in. pot, 4 plants in pot, 34 to 36 in. high.....	2.50
7 " " " 36 to 38 " " .....	3.00
9-in. tub, 4 " 42 to 48 " " .....	5.00
9 " " " 4 feet high, heavy... ..	6.00

#### CIBOTIUM SCHIEDEI

7-in. pot, 2 1/2 to 3 ft. spread.....	2.00
9 in. tub, 4 to 5 ft. " .....	5.00

We call attention to our Kentia Belmoreana and  
Kentia Forsteriana in 7 inch pots and 9 inch tubs as  
being of extremely good value.

All measurements from top of pot.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.



Made up  
plant of  
Kentia  
Forsteriana

## BARGAINS

n KENTIAS and other Decorative  
Plants, all sizes. Also the follow-  
ing at Lowest Import Prices. 15,000  
Azaleas, best commercial varieties, from  
\$25.00 per 100 to \$2.00 each. A fine lot  
of Rubbers, Crotons, Araucarias, Pandan-  
uses, Asparagus plumosa and Sprengeri.

### SMALL FERNS

for table decorative purposes at lowest  
wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums,  
Lorraine Begonias. Best stock in the  
country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

## DAHLIAS.

Now is the time to  
place your order for  
bulbs which will insure  
you getting named va-  
rieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**

Successors to L. K. Peacock, Inc.  
ATCO, N.J.

## DECORATIVE PLANTS

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias,  
Latantias, Arecas, Etc. Perennials and Shrubs.

4 inch Araucarias.....	50 cents each.	6 inch Araucarias.....	\$1.00 each.
5 " " " .....	75 " " "	7 " " " .....	\$1.25 and \$1.50 " "

### FERNS FOR DISHES.

SEND FOR OUR PRICE LIST.

WE HAVE A COMPLETE STOCK.

**The Geo. Wittbold Co.**

1657 Buckingham Place,

Chicago, Ill.

## FERNS FOR DISHES

### Assorted Varieties

From 2-in. pots, \$3.50 per 100;  
\$30.00 per 1000.

Primroses, Chinese — Nice assortment of colors. Strong Plants from 3 1/2 in. pots, \$6.00 per 100.

Primula Obconica, Fine stock, 2 1/2 in. pots, \$3.00 per 100.

Cash with Order.

**FRANK OECHSLIN,** 2570-2606 W. Adams Street, CHICAGO  
Formerly Garfield Park Flower Co

## PALMS AND FERNS

### DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N.Y.

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON** Whitman, Mass.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

**A. N. PIERSON, Inc.**

**CROMWELL, CONN.**

Wholesale Growers of Cut Flowers, Palms  
and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and  
Carnations. We also grow a general assortment of  
flowers in their season

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
**HORTICULTURE.**

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

## The Naturalization of Flowers

"This is an art  
Which does mend Nature; change it rather; but  
The Art itself is Nature."

*Shakespeare.*

How charming, how exquisitely beautiful are those parts of the garden, which, untrammelled and free, are given up to the naturalization of flowers, and especially to the beautiful flowers of spring. There is something fascinating there, a peculiar something which at once catches the eye, and sets one thinking. Here the earth does not require to be trimmed and combed; the airy vistas, and delicate slopes appear ready made.

In such a garden every plant, and every flower always looks at its best, and one almost forgets to be critical; like Nature they are unconventional; like Nature they are conspicuous. In these days when everything that is natural is admired and all formality is deprecated, this style or branch of gardening is most assiduously copied. Such gardens when done well set a fashion, and indeed the fashion is a good one, for the effect of spring flowers set in grassy places, nestling under the trees, growing with a delightful abandon upon the banks of a stream, or along the sides of a pond, gives to the surroundings a cosiness, a restfulness, and an old-world simplicity which is too often lacking in our gardens.

Nature's gardens are the forests and the fields, the swamps and the bogs; from them we get our ideas, but our handiwork can never attain what the hand of Nature accomplished; we can, however, by intelligence and observation adapt our materials as well as the re-



POET'S NARCISSUS IN GRASS



MUSCARI RACEMOSUM NATURALIZED

sources of man will allow. As Shakespeare aptly says, we may mend Nature, change it rather, and yet leave it natural.

It is not my intention, with the limited space at my command, to enter deeply into the subject of naturalization. The subject is too broad, altogether too vast to be dealt with fully. It was rather my object merely to remind readers of the great possibilities of this class of work and also to show the wide scope there is for intelligent effort, and original ideas. I might also add that the principal lesson to be learned is, how many natural ideas may be employed in the garden, other than beds, borders and walks which, a great many think, constitute the bounds of the modern garden.

To advise as to the best varieties or class of flower to employ, to secure the most artistic and most natural effects, is by no means an easy task, as so much depends on the tastes to be gratified, natural surroundings and many other things. In this respect we will always find a great difference of opinion among those who play at gardening, merely as a pastime, or a source of amusement, and those hard working disciples of Nature who make a living by it.

The month of October is undoubtedly the best time to start planting such things as daffodils, narcissi, chionodoxas, snowdrops, wood hyacinths, wood anemones, scillas, etc.; they may, however, be planted any time during the first half of November and give good results.

*W. W. M. Brown.*  
North Easton,  
Mass.

*To be continued.*

This communication was somewhat more timely when received from Mr. Brown. It has been unavoidably crowded out of last two issues.—Ed.

# HORTICULTURE

VOL. VIII NOVEMBER 14, 1908 NO. 20

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per inch, 30 inches to page \$1.00.

Discount on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass. under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—The National Flower Show	
THE NATURALIZATION OF FLOWERS—Wm. McM. Brown—Illustrated	633
AFTER ADJOURNMENT	635
CYPRIPEDIUM GODFROYAE LEUCOCHEILUM—Illustrated	635
THE EXHIBITIONS:	
National Flower Show at Chicago—The Chrysanthemums and Carnations, Wallace R. Pierson...	636
The Awards Friday and Saturday	637
Monday's Awards—The Banquet—Concise Comments	638
Massachusetts Horticultural Society—Illustrated..	639
The Event of the Year in Philadelphia	640
St. Louis Horticultural Society—Elmira, N. Y.—Nassau County Horticultural Society	641
Tarrytown Horticultural Society—Connecticut Horticultural Society—Local Flower Shows	642
NEWS OF THE CLUBS AND SOCIETIES:	
Detroit Florist Club—Gardeners' and Florists' Club of Baltimore—New York Florists' Club—Gardeners' and Florists' Club of Boston	643
Society of American Florists—The Horticultural Society of New York—Pittsburg Florists' and Gardeners' Club	644
New Bedford Horticultural Society—Club and Society Notes	646
OF INTEREST TO RETAIL FLORISTS:	
Points of Superiority in a Display Ice Box	650
New Retail Flower Stores	651
FLOWER MARKET REPORTS:	
Baltimore, Boston, Buffalo, Chicago, Detroit, Indianapolis, Philadelphia, Washington	653
New York	655
OBITUARY—Andrew Groll—James Lowe—W. Greiner.	653
MISCELLANEOUS:	
Personal	635
Philadelphia Notes	643
New Store of the Geo. Wittbold Company—Illustration	646
Catalogues Received	648
Publication Received	648
Plant Imports	648
News Notes	648-651-662
Bermuda Lily Bulbs	648
Business Changes	655
Greenhouses Building or Contemplated	662
Patents Granted	662

satisfactory adjustment occurs again. There are many defects in the present schedule which are serious obstructions and a perpetual annoyance to the importer and user of horticultural products. We believe those entrusted with the work of revision earnestly desire light on the problems they are called upon to solve for the benefit of one and all and that upon proper presentation of our needs they will try to adjust matters in accordance with our recommendation. So, if you have anything to communicate, get busy at once.

An  
inspiring  
example

Considering the general complaint of hard times and scarcity of cash in florists' pockets the attendance at the National Flower Show is inspiring and suggestive. No wonder floriculture goes ahead by leaps and bounds when we stop to think of the amount of traveling done every year by its followers. Carnation convention in January, rose convention in March, S. A. F. convention in August, and a score of minor events all draw their hundreds successively from all parts of the land to one central spot and those who make intelligent use of the advantages thus opened for acquiring knowledge, soon come to a realization of the great mental enlargement and practical business gain which must accrue from a regular attendance. The florists have "got the habit" and what it has done for them as compared with other closely related occupations is plainly in evidence. The example of the S. A. F. and its lively off-spring seems to have at last awakened some of the progressive spirits in the "truck" growing and forcing industry, with the result that a promising start was made a few days ago at Cleveland on lines of action very similar to those followed by the S. A. F. A very good move and one that might wisely have been made years ago. The new organization has our best wishes and we predict for it a prosperous course so long as it takes the blithesome, lusty, virile S. A. F. for its pattern.

A satisfactory  
beginning and  
bright promise

According to the National Flower Show all that anyone can claim for it, it remains notably a fact that there has been presented very little in any department which stands out as marking a distinct advancement either in variety or cultural skill. This is probably equally true of the Boston show and, we might add, of Philadelphia and other places, but it was naturally expected that the Chicago affair with its long preparatory work and opportunities for stirring up special interest at home and abroad would gather in from so many available sources valuable material which in the aggregate would make the event exceptional in this respect. That it did not noticeably do so should not discourage those who have so eloquently championed the idea of a series of national flower shows and dilated upon the great potentialities within reach through this means. Of necessity the first essential in this initial attempt was to make sure a financial success, the reasons for which are sufficiently obvious and every reader of these lines probably understands that had the enterprise fallen short in financial returns it would have meant the cessation of all efforts in this direction for many years to come and thus our floricultural progress might suffer a serious retrogression in consequence. The absence of specially sensational cultural accomplishments on this occasion does not imply that the limit has been reached by any means and at the next National Show, held at a more favorable season for varied displays and with strengthened confidence in the financial outcome, we may look for something surpassing.

Tariff  
revision is on

Hearings on proposed tariff revision have already commenced at Washington before the Ways and Means Committee. On inquiry we are informed

that November 18 is the date fixed for the consideration of agricultural and similar products. Hon. Sereno F. Payne is chairman of the committee. Now, if you have any views as to duties on any goods imported to this country make it your business to promptly communicate with S. A. F. Secretary W. N. Rudd, Morgan Park, Ill., "or else hereafter forever hold your peace." It will be many years in all probability before the opportunity for

## AFTER ADJOURNMENT.

The dedicatory exercises of the new building of the Phelps Publishing Company at Springfield, Mass., are taking place as we go to press. An address prepared by President Roosevelt, and addresses by other personages of note, are promised. The building is eight stories above ground, with basement, sub-basement and roof garden, and takes the place of the one destroyed by fire a year ago. HORTICULTURE extends cordial congratulations and best wishes.

The Washington Times for Sunday, Nov. 8, and the florists of the capital city certainly displayed joint enterprise unparalleled in the history of the flower trade in putting before the public a "Floral Section and Flower Show Number" of eight pages, handsomely illustrated and full of enthusiasm about the coming flower show of the Florists' Club and clever references to what the florists of Washington are doing. Kramer and Gude each have a full page advertisement, and practically all the florists of the town have announcements in spaces of various extent. If the florists in some other cities would send for a copy of the paper above mentioned we think it would furnish them with something worth thinking about and point the way to how they might greatly advance their business and enlarge its profits.

The "National Council of Horticulture" has addressed to the American people an almost tragic appeal of which the text is to be found in the opening lines:—

"The cranberry is the least understood and most abused of any of our domestic fruits."

This is known to be true by any lover of nature, who has studied the Cape Cod cranberry in its native lair. Many a cranberry has passed out of this cold and cheerless world, wholly misunderstood, wholly unappreciated; a mute, inglorious Chatterton in pink. No wonder the friends of the cranberry are moved to protest at the unfair, inhuman treatment accorded to this sensitive and timid member of "our domestic fruits." People, right here in New England, have been known to keep cranberries in tin receptacles, and then have wondered why cranberry snortcake tastes so nauseating. Others have covered the cranberries with cold water and allowed them to shimmer, and then have wondered why "people like such stuff." In the interests of humanity, of justice, of kindly dealing towards a defenseless berry let us all follow the right. And there is only one way to make cranberry sauce. It probably would be efficacious to attempt to offer that recipe to any reader of The Advertiser in a community where the cranberry has been known, honored and fairly treated for so many generations. Boston Advertiser.

The National Council of Horticulture should not get on such dangerous ground. There is plenty for it to do in its home missionary field, without incurring trouble for itself by trying to stir up the New Englanders.

## PERSONAL.

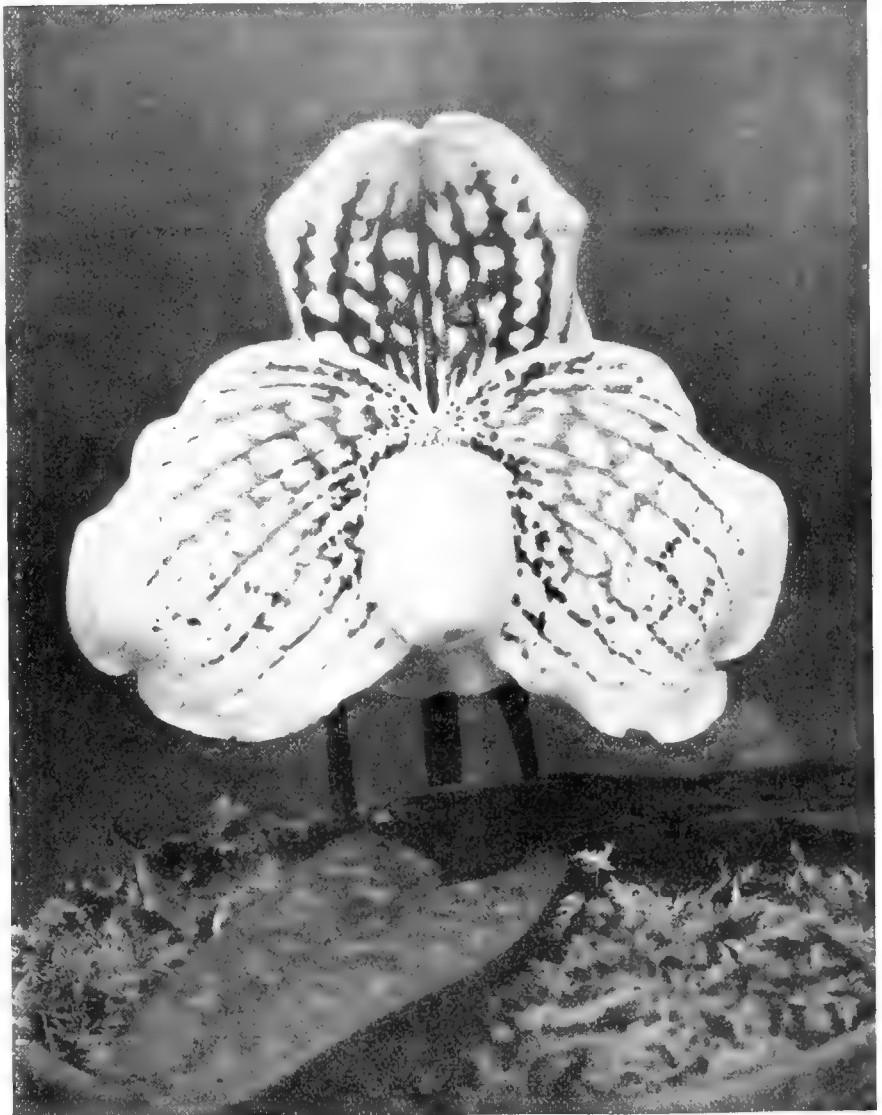
F. E. Olmstead has taken a position as deputy commissioner of forestry and will be located at San Francisco, Calif.

Carl N. K. Pedersen of St. John, N. B., and Miss Jennie A. Shepherd were married on October 29.

Thos. Breen of Burlingame is now located with Wm. Babcock of San Rafael, Cal., as head gardener.

F. B. Cannell of Brookline, Mass., a popular member of the Gardeners' and Florists' Club of Boston, and Miss Er-

## CYPRIPEDIUM GODEFROYAE LEUCOCHILUM.



This species comes from Siam and has the same dwarf habit as the more common *Cypripedium bellatulum*. Flowers are cream white with dark purple blotches and spots, the variety *leucochilum* having no spots on the

lip. It was introduced several years ago to Europe and has been used with success for hybridizing, some of the most beautiful cypripedium crosses being the products of this variety and various species.

nestine Mae Thielscher were married on November 19.

J. R. Freeman, who has been quite sick at his home, 2319 Wisconsin avenue N. W., Washington, D. C., is convalescing rapidly and hopes to be at his place of business in the very near future.

Among the visitors from Buffalo and vicinity to the Chicago show are Barney Meyers, Lancaster; C. T. Guenther, Hamburg; Prof. J. F. Cowell, Mr. and Mrs. Wm. F. Kasting, Mr. and Mrs. Saanderson.

A beautiful wedding was celebrated on Thursday afternoon, Nov. 5, when Miss Alice Kathrine Maurer, daughter of Mr. and Mrs. Jno. Maurer of Williamsville, N. Y., was married to Wallace H. Eiss of the Wm. F. Kasting Co., Buffalo. The ceremony was performed by Rev. Frank Hyatt Smith of Buffalo. Mr. and Mrs. Eiss have taken a short western trip.

In the presence of none but im-

mediate relatives James Garthley and Mrs. Mattie Kelley were united in marriage Monday, Nov. 9, by Rev. H. L. Brickett, at Marion, Mass. Mr. and Mrs. Garthley left for New York and Washington, where they will spend their wedding tour, and on their return will reside in Fairhaven, where Mr. Garthley is chief gardener at the estate of H. H. Rogers.

Visitors in Boston during the show week included George F. Struck, New York; Henry Hurrell, Summit, N. J.; Timothy McCarthy, Providence, R. I.; W. A. Kennedy, Milwaukee, Wis.; E. Volmer, Rutherford, N. J.; Thos. W. Head, Groton, Conn.; Wm. Swayne, Kennett Sq., Pa.; Wm. Wallace, Walpole, N. H.; E. O. Orpet, So. Lancaster; Peter B. Robb and Thomas Howden, Whitinsville; Fred Varden, Fall River; G. H. Sinclair, Holyoke; Prof. White, Amherst; E. A. Richards, Greenfield; George Wyness, Prides Crossing, F. E. Cole, Beverly, Robert Miller, East Brookfield, Mass.



## THE EXHIBITIONS

### NATIONAL FLOWER SHOW AT CHICAGO.

This interesting event opened on schedule time on Friday, November 6, under the most auspicious circumstances, at the Coliseum, Chicago's great exhibition building. The judges got to work promptly and after the chrysanthemum awards had been made the competing vases were distributed about the hall, adding greatly to the beauty of the show as a whole.

A distinct feature of the arrangement was the introduction of four pergolas each 12x72 ft. under which the crowds of spectators walked and viewed the exhibits. The long tie-lines with their supporting pillars all in pure white were draped with wild smilax. The balconies were also heavily draped with the same green while suspended from the roof hung many little circles of wire wound and draped with the smilax and looking like huge hanging baskets. The effect under the hundreds of electric lights was very pleasing. The large supports on the balconies were skillfully hidden by small flowers. One hundred boxes of the wild smilax were used in the decorations. There was a feeling of regret that the view from the galleries, always the best point from which to see the exhibitions, should have been partially obstructed by the pergolas which were considered by many as too heavy to be in keeping with their surrounding and therefore failing of the desired effect. The booths so much admired last year were missing. Flowers were offered for sale in one booth only which was conducted by the Chicago Florists' Club.

Saturday the attendance was good. The roses had been placed and the much desired prize labels attached by the judges before noon and the people flocked to the hall the huge vases of Beauties, Mrs. Marshall Field, Mrs. Potter Palmer, Richmond Killarney and others. A vase of four roses, My Maryland, given to A. N. Pierson, Greenwood, Conn., was much admired but could not be entered for competition because they arrived a little late and had to be placed in a vase.

With Saturday morning it was that the National Flower Show was to be a success. A report that the show was concerned in a scandalous way were reported. Sunday the attendance was also good. The show was held either at the Coliseum or at the Grandstand. The show was held at the Coliseum and promptly indicated that the show was used for the day. The show was new

features were added on Monday, among them eight table decorations that attracted much attention. Bohannon Floral Co. and Kenwood Catering Co. receiving first prize. Decoration with center vase and corsage bouquets of Killarney roses. Second prize was won by A. Lange and the Richelieu Catering Co. and third was given to Puterbaugh, the Grand Pacific Hotel furnishing the service. In each case Killarney rose was used.

Among the sensational novelties in plants was a magnificent specimen of Celosia Pride of Castle Gould which was given a silver medal. It came from Harry Turner of the Howard Gould estate.

### THE CHRYSANTHEMUMS AND CARNATIONS.

As Seen by Wallace R. Pierson.

Chrysanthemums at the National Flower Show cannot, I think, be com-

pared to some of the former exhibitions given in Chicago. There are several reasons for this lack and a warm summer followed by unseasonable weather through October is to be blamed. If we could compare the vase of ten Col. Appleton which won the blue for the best ten in the hall after the closest kind of competition from White Punchbowl, now Mrs. Clay Frick, we could all see the difference in quality for the vases as they run through out the entire exhibit are as far short of the quality of two years ago as are the Col. Appleton at this one inferior to the famous ten.

Golden Eagle we regret was not exhibited being still not ready to cut but to those who know chrysanthemums it is a factor in the race for supremacy among the late yellows.

Throughout the exhibit wherever shown Mary Donnellan appeals strongly. A deep golden yellow and almost ideal in form, this variety on the exhibition table is hard to beat and whether it has a place commercially is yet to be determined. On the type of H. W. Rieman the variety "Scalardandes" makes a good appearance and should prove a grand shipping variety.

Smith's Seedling 95-3-06, as yet unnamed, will also be an acquisition to the list of commercials and from all I could see by which to judge it this seedling has the essentials of a variety of commerce.

Mrs. Elmer D. Smith also comes in as a good one and can safely be

recommended if the exhibit here be a just criterion of its merits. For the exhibition table and possibly for the commercial grower "Yellow Miller" which is a sport of Mrs. J. A. Miller and a bloom of the Yellow Eaton type has a place and in mentioning a variety of Yellow Eaton type, the grand vases of Yellow Eaton itself must not be overlooked or forgotten. Let us then leave the yellow variety and turn to the white classes and again meet old friends, for Alice Byron and Timothy Eaton are the leaders. I well remember the first vases of

Fidelity I saw staged and only the weakness of stem prevented it from being more widely grown. It seems strange to say that almost at every turn where classes are shown with short stems and a good white is seen the label Fidelity is attached. High up in this class is Merza and we know that Merza is not alone a show variety but good commercially.

The sensation of the show from the visitors' standpoint, due to very fine work by the advertising department, was the chrysanthemum W. H. Taft, and why not? If people could not see the gentleman himself they wanted his namesake and strenuous measures were taken to protect the bloom from the public who wanted to fondle it. This new variety coming from the varieties Fidelity and Col. Appleton is a very pure white in color and has a good form. Pres. Roosevelt also was there in the shape of a white chrysanthemum and at the admiration displayed by the ladies, especially for W. H. Taft the foliage was green with



SOME WINNING EXHIBITS AT CHICAGO

envy and a blush came over this otherwise white variety almost enough to put it in the light pink class.

Virginia Poehlmann was shown and while not up to the standard of the variety the exhibit showed the possibilities. This was from plants benched July 18 from 2-in. pots and the bloom had been held two weeks for the show. Beatrice May had also been held and both this old favorite and the newer variety White Cloud are to be commended as keepers.

Regularity in arrangement of petals and purity in color describe the variety Mrs. H. W. Buckbee, to some extent, and these combined with good stem, foliage and a perfectly proportioned bloom, recommend it to the grower of high-grade stock.

In pink we have a smaller collection to consider and our old friends still in the lead, A. J. Balfour and Dr. Enguehard leading the procession with W. H. Duckham a trifle tired and faded about twenty minutes behind them. Miriam Hankey also made a nice showing but an unnamed seedling exhibited by Chas. H. Totty on the type of Dr. Enguehard looked better to me. Mud Dean was not shown and no comparison was possible with our eastern standard of perfection.

In red there were a number but few that seem worth growing for the market and my attention was more on the bronze in the odd colors, Mrs. O. H. Kohn, Pockett's Surprise, Pockett's Crimson and Glenview attracting my attention. These however are more exhibition varieties than commercial, for bronze is a color that is nice to admire but hard to sell.

But let us leave the giants in the vases and follow the people, for the people who buy rule the people who grow and they are crowded around the pompons with their beautiful colors and their brief names.

Daintiest and prettiest of all is Baby Margaret from the Robt. Craig Co. for the smaller even-shaped pompons appeal to the public and we have in this little white button, the shape of bloom to suit the most critical and this seems combined with idealism in habit.

Nearest to this in color and size is Magnificus shown by E. G. Hill Co. and all compliments to Baby Margaret apply to a certain extent to this variety. In larger sizes Vincent is there with Queen of Whites and it looks good to me. Lula, Mrs. Jas. Boone and Angelique are others in the white pompon class to consider.

Yellow pompons also and good ones, Baby, Savannah, Quinola, Klendike, Emo, Lodi, Sunshine, and Zenobia giving one a choice from the best there is, or if there be better why were not they there?

Pink varieties are plentiful but to find varieties in the collection that it will pay to grow is not easy. Alena, Acto, Utaw, and Leo show to advantage here but under a poor light it is hard to judge and I may be slighting some better variety that did not show to advantage.

The Singles are a big class and my experience with them is limited.

#### The Carnations.

Monday was carnation day and it brought out more competition and

aroused greater interest than had been manifested before, with an exhibit which, for a fall show, was the superior of any exhibit I have ever seen staged. The carnation end of the hall held the attention of the growers and was the chief attraction to the visitors.

What is there that is new that is better than something which we have already? Carnation growers are going slow. I do not wish to say there are no good new ones but we have a grand collection which can be depended upon and the florists in general know it. The day has passed when growers buy a carnation because it is a seedling. That word seedling has been fascinating and has caused many disappointments in the past. We must remember also that no variety can be properly sized up unless it can be seen growing. We cannot all see the new aspirants to favor on their native soil and we have the comparison on the exhibition table as the result.

And what was staged in Chicago? First of all "White Perfection," as all who saw the exhibit must admit. White Enchantress for a good second and a number of other good ones, Mrs. J. C. Vaughan with a good color and form to recommend it. Georgia, (not shown for competition), suffering from a hard trip and the old stand-by Lady Pountiful with its usual shortage of petals which is a fall characteristic of the variety, being the most prominent in this color. In pink we meet a number of good ones and Winsor, Rose Pink Enchantress, Winona and Mrs. Lawson were exhibited in excellent form. One seedling, William Howard Taft, attracted favorable comment. A full name and a good full flower but Mr. Taft has substantial backing while the stem in this case showed the effects of hot weather and has not sufficient underpinning for such a bloom. A nice vase of Afterglow and one of Aristocrat were there to set forth the good points of the respective varieties, while a vase of Splendor spoke well for this free blooming introduction of last season.

In the class of flesh pinks there was nothing but Enchantress. Grand vases of them and we can only regret that Delight shown by Dorner was not properly entered so that the judges could pass on the respective merits of the two. Delight appeals to me as a commercial variety and one that is capable of standing long shipments. We shall hear from it later and hope to see it staged in its proper class. Melody, the Daybreak-colored Mrs. Lawson, showed well.

In scarlet there was a pretty race for first place, O. P. Fassett which is being sent out by Fassett & Washburn receiving the blue after a hard fought finish with Victory and Peacem and we must acknowledge its superiority on the exhibition table and as a high class bloom.

Variegated was represented by Var. Lawson and Mrs. M. A. Patten with a creditable showing of each. In crimson there was very little outside of the seedlings and novelties, while the Prosperity type of bloom was represented mainly by unnamed new comers.

And for the seedling classes there is much to be said and nothing but praise. If there is a new one that looks

good to the grower let him stage it and learn its value by comparison. The public admire the variety and when a freak shows up in this class those who are wise are heard repeating

"In jesting guise but ye are wise  
And ye know what the jest is worth."

Among the new one not previously mentioned, Apple Blossom shows nice form and a good stem, Mrs. Chas. Knopf in the flesh pink class is a good heavy, well formed bloom. Ruby, a dark red, showed to advantage and Wapoka for a very dark colored bloom made a good impression.

A clear yellow James Whitcomb Riley, and Heacock's fine vase of a pink seedling which is to all appearances an improvement on Rose Pink Enchantress, shared honors in attentions bestowed upon them with a vase of Hill's scarlet seedling of the Victory type, while a pink seedling shown by the Miami Floral Co. was there to show us something nice in cerise pink.

On the type of Prosperity F. R. Pierson Co. showed a seedling with nice stem, good calyx and plenty of color. Others there were and good ones from well known carnation men but I couldn't get them all.

One exhibit however could not fail to be noticed—Alvina, a variety for pot culture and for pot purposes. I have never seen a better.

Taking it then as a whole it was an instructive and valuable exhibition of the most popular flower in commerce today.

WALLACE R. PIERSON.

#### THE AWARDS.

##### Friday and Saturday Awards.

Best group of chrysanthemums with foliage plants as accessories. Vaughan's Seed Store, first; Frank Ochslin, second; J. J. Mitchell, third. In 22 other classes for chrysanthemum plants Vaughan's Seed Store won twelve firsts, five seconds, H. W. Buckbee, nine seconds and two thirds; A. McAdams, three thirds; R. T. Crane, one first, one third; M. A. Ryerson, three seconds; A. S. Trade, one third.

Chrysanthemum blooms. Vase of 50 white, Harry Turner, first; E. G. Hill Co., second; Bassett & Washburn, third. 50 pink, Hill, first; Turner, second; M. S. Vesey, third. 50 yellow, Poehlmann Bros. Co., first; Bassett & Washburn, second; Hill, third. 50 any other color, E. D. Smith & Co., first; H. W. Buckbee, second; Poehlmann, third. 40 blooms, 40 varieties, in four vases, 10 in a vase, Chas. H. Totty, first; H. W. Buckbee, second; E. G. Hill Co., third. 40 blooms, 40 varieties, shown on mossed boards, C. H. Totty, first; Buckbee, second; Smith, third. Best collection of anemone varieties, Alois Frey, first; C. H. Totty, second; E. D. Smith & Co., third. Best collection of pompon varieties, R. Vincent & Sons Co., first; Hill, second; Smith, third. Best collection of single varieties, C. H. Totty, first (silver medal); Alois Frey, second; H. H. Porter, third. In fifty other classes for chrysanthemum blooms E. G. Hill Co. won eight firsts, seven seconds, one third; Chas. H. Totty, eight firsts, two seconds; H. W. Buckbee, ten firsts, six seconds, two thirds; Elmer D. Smith Co., twelve firsts, seven seconds, two thirds; Thomas Proctor, five firsts and a certificate of merit, one second; W. J. & M. S. Vesey, two seconds, four thirds; Poehlmann Bros., one first, one second; Vaughan's Seed Store, two firsts; A. J. Loveless, A. Frey, E. M. Barton, Peter Schilt, each one first; R. Vincent, Jr. & Sons, two seconds; Robert Craig Co., J. Freimeyer's Sons, J. J. Mitchell and Frank Kuenne each one second; Mrs. S. W. Allerton, one third.

Roses—100 American Beauty, Wm. Dittmer, first; Poehlmann Bros., second; Bassett & Washburn, third, Peter Reinberg, fourth.

100 Liberty or Richmond, Poehlmann Bros., first; Bassett & Washburn, second; Peter Reinberg, third.

100 Bride, Poehlmann Bros., first. Wm.

Land & Olmsted, second; H. W. Buckbee, third.

100 Bridesmaid, Poehlmann Bros. Co., first; H. W. Buckbee, third.

Madame Chateaux, Poehlmann Bros. Co., first; Weiland & Olmsted, second; H. W. Buckbee, third.

100 Kilmory, Bassett & Washburn, first; Poehlmann Bros., second; Peter Reinberg, third.

100 Katherine, August Victoria, Poehlmann Bros., first; Bassett & Washburn, second; Weiland & Olmsted, third.

100 any other variety, Peter Reinberg, first; Poehlmann Bros., second; A. N. Pierson, third.

25 blooms American Beauty (private gardeners), J. J. Mitchell, first.

25 flowers yellow (private gardeners), R. T. Crane, second.

100 blooms Rose Mrs. Potter Palmer, Poehlmann Bros., first.

In the classes for single specimen rose, Poehlmann Bros. won four firsts and Weiland & Olmsted one.

For best new rose, Poehlmann won the prize with Mrs. Potter Palmer.

Orchids—Collection (plants), W. A. Manda, first and silver medal; George Field, second; E. G. Uhlhorn, third; Cypripedium (blooms), W. A. Manda, first; A. J. Lovelace, second.

### Monday's Awards.

Table Decorations. Tables required to be kept in place one day and evening. Scale of points: Napery, silver and ware, 10 points; quality of flowers, 20 points; color harmony and artistic effect, 50 points; adaptability, 20 points. All tables set complete for 8 covers.

Table decoration, the main feature of which is cut roses, Bohannon Floral Co., first; A. Lange, second; F. E. Butler Floral Co., third. Committee recommends W. J. Smyth receive special prize on account of error in setting ten plates in place of eight.

Palms. Specimen palm, W. A. Manda, first; Geo. Wittbold Co., second; Julius Roehrs Co., third.

Five palms, 5 varieties, W. A. Manda, first; Geo. Wittbold Co., second; Julius Roehrs Co., third.

Group arranged for effect. Geo. Wittbold Co., first; Vaughan's Seed Store, second; W. A. Manda, third.

Private Gardeners' Class. Specimen palm, E. G. Uhlhorn, group arranged for effect, E. G. Uhlhorn, gold medal.

Three specimen palms, three distinct species, not less than 10 ft. high Julius Roehrs Co., \$100 trophy.

Collection of palms, to consist of not over fifteen plants, not more than one plant of one variety or species, W. A. Manda, first; Julius Roehrs Co., second.

Group of stove and greenhouse foliage plants exclusive of palms or ferns—W. A. Manda, Inc., first; Julius Roehrs Co., second.

Specimen, Nephrolepis elegantissima J. A. Peterson, cup.

Group of ferns, W. A. Manda, first; E. G. Uhlhorn, second.

Tree fern of unusual merit, W. A. Manda, Inc. New fern not in commerce—W. A. Manda, Inc., silver medal.

Vase of chrysanthemum blooms, Poehlmann Bros. Co., sweepstakes cup, with Appleton.

100 carnations in eight classes, sweepstakes, Poehlmann Bros., gold medal; Bassett & Washburn, silver medal; Chicago Carnation Co., bronze medal.

5 plants Begonia Gloire de Lorraine, Julius Roehrs Co., \$50 trophy.

5 plants Begonia Azotia, Samuel Muraw.

Specimen flowering plant, exclusive of rose, chrysanthemum or orchid, W. A. Manda, silver medal; J. J. Mitchell, bronze medal.

In forty-one classes for foliage and flowering plants, more than one plant of one variety or species, Julius Roehrs Co. won firsts in 15 classes, second prizes in 10, and third prizes in 16. W. A. Manda, Inc. won firsts in 10 classes, second prizes in 10, and third prizes in 16. J. J. Mitchell won firsts in 10 classes, second prizes in 10, and third prizes in 16.

100 flowers, any variety, J. J. Mitchell, first; A. S. Peterson, second; E. G. Uhlhorn, third.

100 flowers, any variety, J. J. Mitchell, first; A. S. Peterson, second; E. G. Uhlhorn, third.

Carnation Co. seven firsts, four seconds, seven thirds; Bassett & Washburn, one first, one second; F. R. Pierson Co., two firsts, one second; Bohannon Bros. Co., one first, Weiland & Olmsted, one first, one third; R. Wittbold, one first, one third; N. Zweifel, one first, two seconds, two thirds; E. G. Uhlhorn, two seconds, one third; C. C. Pollworth, one first, Pittsburg Carnation Co., two firsts; Frank Ben Sol Garrard, H. W. Buckbee, each one second, one third; South Park Floral Co., one second; F. Donner Sons Co., one second; Jos. Heacock, one third; C. C. Pollworth, one third.

### THE BANQUET.

The Chicago Florists' Club entertained the visiting florists at a grand banquet on Tuesday evening. It was a most notable gathering, rarely equalled in numbers and national character. There were about five hundred ladies and gentlemen at the tables, which were decorated with white and yellow chrysanthemums in special vases from Frauentfelder. On the speakers' table there were also baskets of tropical plants. The banquet hall was beautifully decorated by Duncan Robertson of the Ernst Wienhoeber Co. and made a fitting setting for the brilliant scene. During the banquet there was instrumental and vocal music by noted artists, and Scotch dancing and vaudeville of a high order which was greatly enjoyed. At the "feast of reason" which followed, Leonard Kill, president of the Chicago Florists' Club, graciously welcomed the guests and introduced W. N. Rudd, as toastmaster, who, as usual, was quite equal to the task. President-elect Valentine was called upon and made an interesting speech emphasizing the good money can do in the advancement of horticulture, and applauding the disposition of wealthy men to endow horticultural institutions and to even study the science themselves. J. N. May was in his best vein and eloquently voiced his approval of the presence of the ladies. August Poehlmann expressed regret that the display of roses was not better. F. R. Pierson said that he regarded the show as a whole as a success. J. C. Vaughan, Benjamin Hammond, P. J. Foley, George Asmus, E. V. Hallock, J. F. Ammann and W. F. Kasting were among the speakers who added to the pleasure of a most enjoyable evening. Mr. Kasting expressed his belief that the next National Flower Show would be held in the east and in spring time.

After the banquet eighty couples attended an informal reception and dance given by the employees of the Wienhoeber Company at the Svithold Club. The grand march was led by Duncan Robertson and wife at 10.15 and dancing lasted until 1.30 A. M. All had a good time due to the enthusiastic work of Duncan Robertson, Victor Bergman and Walter Adams.

### CONCISE COMMENTS.

The ladies enjoyed a theatre party on Wednesday afternoon.

On table decoration of orchids Weinhoeber is winner of first prize twice with oncidiums and vandas.

White Kilmory made the long journey from the east in good shape and attracted much admiring comment.

It is acknowledged that the eastern contingent did nobly especially in the plant sections, so indispensable for an impressive effect.

J. Rosenwald's Japanese Thuja 1502 years old attracted a great deal of attention. It is about 6 ft. high and

an unusually fine specimen of its kind.

On Wednesday, a merry party journeyed to Joliet as guests of the Chicago Carnation Co. and spent several profitable hours at that progressive establishment.

C. A. Maynard of Detroit was taken suddenly ill and Mrs. Maynard, who is secretary of the Ladies' S. A. F., is consequently unable to attend the Flower Show.

Peter Reinberg exhibited 100 of his Mrs. Marshall Field and a table of other roses, around which a crowd of admirers, particularly ladies, could always be found.

The lighting was very poor and the large amount of southern smilax used for festooning, also covering the four large pagolas in the body of the hall, did not improve it.

The general public seemed to be satisfied with the show but not with the price of admission 75 cents; 50 cents was regarded as sufficient. The music was excellent.

Occupying a conspicuous position in the center of the Coliseum was a glass case in which were displayed the silver cups, gold watch and fob, and the medals to be awarded.

The Geo. Wittbold Co. led off by taking the gold medal offered by the Horticultural Society of Chicago for the best group of plants arranged for effect. The exhibit was a grand one.

There were several exhibits not for competition which added greatly to the beauty of the display as a whole. The South Park and Lincoln Park and C. C. Pollworth displays were excellent.

H. A. Dreer, Robert Craig Company and Julius Roehrs Company and W. A. Manda, with their splendid contributions of decorative plants and orchids were "towers of strength" to the show.

Over two hundred trade visitors were recorded from outside of the neighborhood of Chicago on the registration book. They represented twenty two States. H. Plath of San Francisco came the greatest distance.

Thermometer has gone down several degrees in Chicago, and freezing weather prevails as we go to press. Attendance at the show is increasing daily. On Thursday there were seventy new carnation entries.

The back yard exhibit was all right before—the usual amount of coal ashes, broken bottles, tomato cans, etc. After—the neatly sodded lawn with flower beds, shrubs near the fence, gravel walk and window boxes.

Bassett & Washburn, Hinsdale, Ill., held a reception for the Flower Show visitors who went out on Sunday to see the O. P. Bassett carnation. There were about fifty in the party and they expressed themselves as well pleased with the new red carnation.

The table decorations were again on Tuesday a centre of admiring ladies and the judges once more gave first prize to Bohannon Flower Co. This time the table was done in lily of the valley, banked high around an electric globe, over which fell the water from a miniature fountain. The lights around the centre were tall, slender lamps shaded with white and having deep fringes of light green beads. The soft music of the falling water, the lights of the flowers, formed a combination hard to outdo.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

Boston's annual chrysanthemum show, which was held on Nov. 6-9, was fully up to the record of its predecessors in variety, quality and attractiveness. The attendance was good, especially on Sunday, when the halls were uncomfortably crowded during the afternoon and evening concert.

The disposition, plainly evidenced last year, to widen the scope of the exhibition and make it something more than merely a display of chrysanthemums, was reflected in the schedule and carried out in the show, which embraced gigantic groups of flowering and foliage plants from which chrysanthemums were excluded, groups of orchids for which very liberal prizes were given, vegetables and fruit in extensive array and carnations for which the prizes were unprecedentedly large.

Taking up the chrysanthemums first, we do not find much of unusual importance to chronicle. The enormous trained plants that formerly gave distinction to the Boston shows were missing and those displayed were small but well grown and one of them, a specimen of Garza from Dr. C. G. Wild, was awarded the prize for best plant in the hall, an honor worthily bestowed. The number of plants of the now popular single and semi-double varieties was quite large and these, together with the small neat "commercial" plants of which W. H. Elliott has a good display every year, contributed much to the color effect although their value might be greatly enhanced by the adoption of some more artistic and original method of arranging them other than in regular rows on the level floor. S. Hoffman had one group of Garza arranged in pyramid form with palms against the wall among which boughs of copper beech were used with good effect.

The classes for long-stemmed blooms in vases of ten were not so numerous and seemed less sensational

than formerly. The limit of possibilities in this line has probably been reached and flowers which are merely large no longer excite wonder. The

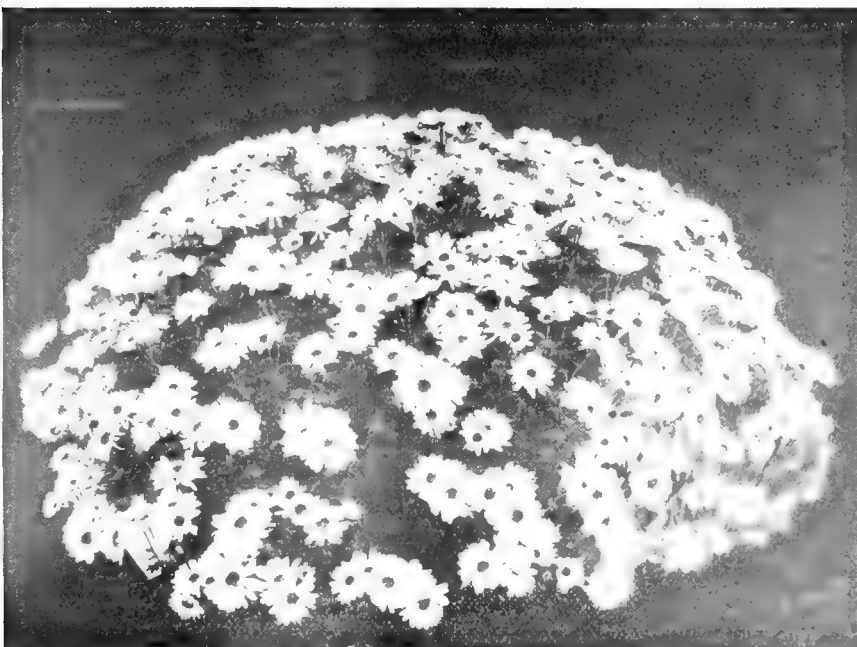
big china vases of one hundred long-stemmed blooms arranged for effect were admired as much as ever and filled an indispensable place in the impressiveness of the exhibition in the grand hall as a whole. The W. W. Edgar Co. again won first in this class with Major Bounaffon, the same variety as last year. Second was won by the Morton F. Plant Estate with mixed colors; third by Edgar Co. with Timothy Eaton and fourth by Edgar Bros. with Dr. Enguehard. Again the Gane Memorial Prize for Mrs. Jerome Jones was won by James Nicol with a superb exhibit.

In the class for twenty-five blooms of twenty-five varieties, always an object of engrossing interest for the gardeners, there were four entries. First was awarded to Morton F. Plant Estate, gardener Thomas W. Head, and second to W. A. Riggs. So close were they in quality that sentiment was pretty well divided as to the correctness of the verdict and it certainly must have been a difficult task for the judges to come to a decision. The varieties shown were recent introductions in the main and in both sets the exhibitors had taken advantage of every little point in uniformity and color arrangement. The prize for six best introductions of current year went to the Plant Estate; the varieties shown being Harold Wells white reflexed, Touring Club tawny yellow incurved, W. M. Moir white Jap. incurved,



VASE OF TIMOTHY EATON, AT BOSTON SHOW

By W. W. Edgar Co.



MERZA, BEST SPECIMEN PLANT IN BOSTON SHOW

Exhibited by Dr. C. G. Wild.

curved, May Donnellan deep yellow Jap., Dorothy Goldsmith light yellow reflexed and J. C. Neil pale yellow Jap. incurved. There were many large displays of single and semi-double varieties under name and one set of fifty seedlings, all distinct varieties in yellow, white, pink and bronze, from one seed pod, shown by Langwater Gardens, gardener, W. N. Craig. As the latter were in all respects equal to the average of the named sets the long list of names represented in the regular classes seems hardly worth recording. Most of the collections of these, as well as of the pompons, were displayed in small vases of one or several short sprays, no effort at the decorative effect in which lies the chief value of this class being made.

There were ten entries for the prizes for tables decorated with chrysanthemums or fruit. In the class for dinner tables arranged with chrysanthemums, Ed. MacMulkin won first with centre piece and corsages of small white chrysanthemums with Whitmanii fronds and white chiffon; Mrs. E. M. Gill second with Major Bonnaillon Sprengeri and Whitmanii centre piece; S. Hoffman third with Pink Ivory and Sprengeri and fourth with orange and yellow chrysanthemums and copper beech sprays. On the fruit tables Isaac H. Locke & Co., were first and Ed. MacMulkin second. The fruit in both cases was of great value but the arrangement too formal.

MacMulkin's winning groups of plants, 300 sq. ft. in extent, were strong features. They were backed by palms and bays towering nearly 20 feet high. Fragrance was supplied by standard heliotropes and gardenias, color by impatiens and geraniums and richness by masses of cattelyas. The groups of orchids were well worthy of the big prizes awarded, being rich in varieties and well arranged with fine ferns. Conifers in pots were shown by Joseph Breck & Sons and New England Nurseries, the latter including a concolor fir of a size not easily found in the nurseries to-day.

One small hall was occupied by the carnations and orchids. On the former Wm. Nicholson & Son were first with six vases of fifty flowers each, the varieties being Afterglow, Beacon, Mrs. M. A. Patten, White Enchantress, Rose Pink Enchantress and plain Enchantress. C. S. Strout with Enchantress, White Enchantress, White Perfection, Beacon, Winsor and Victory was second and Backer & Co., with White Perfection, Rose Pink Enchantress, Eldorado, Harry Fenn, Mrs. Patten and Pink Patten was third. As these prizes were \$40, \$30, and \$20, respectively, the presence of only three entries is surprising. Pretty good value for three hundred carnations.

Certificates of merit were awarded to H. A. Dreer for *Nephrolepis Scholzeli*, the "crested Scottii" and Mrs. H. F. Durant, gardener Thos. T. Watt, for *Vanda Sanderiana* with ten flowers on one spike. Silver Medal to Waban Rose Conservatories for rose White Killarney. Cultural Certificates to Wm. Thatcher, gardener for Mrs. J. L. Gardner, for specimen *Alpinia Sanderana* and J. L. Smith, gardener to A. W. Blake for *Zingiber* and Mackay. Honorable mention to H. Barrows & Son for *Nephrolepis magnifica*, a finely marked variety like *Ampelophyllis*.

"only more so," Philip Dexter, gardener J. Salter, for pink seedling anemone chrysanthemum, W. N. Craig for seedling single chrysanthemums and Miss R. S. Schaller for seedling carnation, white, deeply lacinated petals. Among the notable exhibits outside of the prize schedule were violet Barroune Rothschilds and *Picus altissima* from F. W. Fletcher, rose Mrs. Jardine from S. J. Reuter & Son, a magnificent collection of rare orchids from Lager & Hurrell and several seedling carnations from Backer & Co.

The vegetables and fruit were displayed in the basement hall. Frederick Mason got a silver medal and Mrs. G. F. Hartshorn a bronze medal for celery, and the exhibits were of a very high order throughout.

#### THE EVENT OF THE YEAR IN PHILADELPHIA.

There are many semi-monthly, monthly, and special shows in Philadelphia during the course of the year—but the crowning horticultural event of them all, is the Annual Fall Show. The exhibition this year opened on the 10th inst. and it is no exaggeration to say that a finer lot of plants and flowers we have never seen. There may have been bigger shows in the past but (except in some isolated instances) for quality and general excellence in arrangement the show this year holds its own very well. There was nothing sensational in chrysanthemums, either plants or flowers, but both these classes showed high culture and standard excellence. The Roebling, Wiedener, Wanamaker and Newbold collections of orchids added great distinction to the exhibition and the foliage plants from the estates of Drexel, Pepper, Penfield and Schmidt were magnificent.

Another distinguishing feature was the grand display of vegetables in the lower hall. For quality and variety we think this year's exhibit distinctly ahead in every way except that in one or two collections we noticed Dock st. produce mixed in with what was supposed to be strictly home-grown. Danvers Yellow Globe onion was a glaring example of this. The judges were aware of this but pleaded the difficulty of bringing proof. In our opinion the judges ought to disqualify any exhibit, however good, without being required to show proof if the evidence be glaring on even one item.

David Ingram of Sinnott's was the surprise of the show in the big specimen chrysanthemum plants. He came in unexpectedly at the eleventh hour and carried off first. The McLeary and Batchelor lots were fine also but they did not expect to encounter the Sinnott specimens, seeing that Gordon Smith had retired. Batchelor and Robertson were the heroes in the six-inch plants. Kleinheinz and Hedland were copious winners in this line also. In the cut bloom section of chrysanthemums the chief prize winners were Robertson, Kleinheinz and McLeary. Dodds, Robertson, Long, Batchelor, Hobson, McLeary and Harris were the principal prize-takers in the foliage and flowering-plant section.

The main entrance to the Show had on the right and left the big ferns from the Drexel estate which excited much wonder and admiration from the public.

This collection included a specimen of *Gleichenia rupestris* twenty-five years old and measuring 6 ft. high and 9 ft. through, a dense, perfectly rounded plant, *Adiantum Dreeri* 4 ft. high and 5 ft. through, *Davallia Fijensis* 4 ft. high and 6 ft. spread, *Adiantum cardiochoena* 6 ft. high and 8 ft. through and many other remarkable large and fine plants which reflected great credit on Thomas Long, the gardener.

The trade exhibits of Michell and Dreer were both varied, extensive and interesting, consisting of seasonable bulbs, seeds and sundries. Michell's was a bright and artistic arrangement the center being a square bed of red, white and blue hyacinth blooms artificial of course, but most effective. The newel posts were grouped with a collection of evergreens from Meehan's Nurseries while the center stair landings were graced with a similar group from the Wm. H. Moon Nurseries. The sides of the stairways had the big blooms of chrysanthemums twenty five to a vase arranged with autumn leaves and other foliage for effect.

The foliage plants were in the foyer and the main cut blooms occupied the passages leading from there to the main hall, the center of which was devoted to the magnificent display of orchids from James Goodier gardener to C. G. Roebling, with a background of tall palms separating them all around making an oasis from the sea of white, pink, yellow and crimson of the specimen chrysanthemums in pots. The walls were banked with foliage and flowering plants in groups. In the latter, Jno. Dodds gardener for Jno. Wanamaker easily carried off first honors not only for the rare and well grown plants but for artistic skill in arrangement. Samuel Batchelor, gardener for Clement B. Newbold also had a very creditable group in this section. The front of the stage was occupied by Dreer with foliage plants. The pedestal at the east end of the hall over the stairway was occupied by a grand specimen fern exhibited by Francis Canning gardener to Samuel T. Bodine.

W. K. Harris showed a new begonia of the Lorraine type more upright in growth and looser habit, the flowers being a deeper pink.

A special word is due to the *Adiantum Farleyense* from Drexel's and the crotons from Pepper's. Croton King Hobson will have to look to his laurels. The latter had some magnificent specimens in larger plants 6 to 8 ft. high. *Nephrolepis Schoelzeli* was shown in fine shape by Dreer. *Pere Charon dracena* was among the interesting novelties in Robertson's collection. E. A. Stroud and Thos. Meehan & Sons had splendid exhibits of hardy chrysanthemums. James D. Cockcroft sent a vase of new white carnation Georgia. Jno. W. McIntyre an enterprising commission man of Phila. showed Paris daisies very fine for this season. *Paulleria thalietyrum*, trained globular, fooled lots of people as a foliage plant most of them thinking it was a new kind of *Adiantum*. Heck Bros. showed a new pink chrysanthemum, needle-shaped petals, flower globular. Baby Margaret, white pompon, a sport from Baby (yellow) was shown by R. Craig Co.

Kifts' new Fernery, Moore-Livingston's new plant stand, and new pat-



terns of the Phila. Lawn Mowers were among the interesting things in the lower hall besides the vegetables. Among the latter Burpee's Pumpkin show was a star attraction.

The Meehan silver cup for the best collection of hardy chrysanthemums was won by William Kleinheinz with a well-finished lot, showing splendid culture and distinct colors.

## ST. LOUIS HORTICULTURAL SOCIETY.

The second annual flower show of this society opened in Armory Hall, St. Louis, Mo., on November 3 and continued for four days. The city park department helped out greatly by sending several wagon loads of decorative plants and the Michell Plant & Bulb Co., contributed much to the general effect, with a grotto of rocks and plants. The attendance was fairly good. The Henry Shaw premiums were not so well competed for as in former years. \$475 in cash prizes was offered and a gold medal valued at \$25. Only about one half of the \$475 was taken up.

The Shaw Gold Medal for best plant introduced during present year was awarded to *Nephrolepis Scholzei*, exhibited by H. A. Dreer.

The S. A. F. bronze medal and a certificate of merit were also awarded to the same plant. A competitor in this class was W. A. Manda's *Nephrolepis exaltata* Alberti.

The \$85 prize for reception room decorated with chrysanthemums was won by Fred C. Weber; second \$75, by Sanders Nurseries, and third, \$65, by J. W. Dunford. All were handsomely done and showed good workmanship. Mrs. W. Ellison judged all the floral decorative work and Messrs Dunford, Tesson and Irish served in the other classes. Peter Reinberg sent 100 blooms of Mrs. Marshall Field rose, and Bassett & Washburn a vase of O. P. Bassett carnation. W. N. Rudd sent his seedling carnation Mrs. J. C. Vaughan, which scored 83 points. Hummell & Downing Co., Milwaukee, made a display of florists' boxes.

On Wednesday night the society gave a banquet to the visiting florists which was a very enjoyable affair. F. W. Brockman officiated as toastmaster. Most of the visitors proceeded to Chicago to attend the National Flower Show.

Among the visitors were J. J. Karins of Dreer's and B. Eschner of M. Rice & Co., Phila.; Mrs. M. S. Vesey, Fort Wayne, Ind.; Peter Olsen and A. T. Pyfer, Joliet, Ill.; E. G. Bradley, Milwaukee, Wis.; A. C. Brown, Springfield, Ill.; Mr. and Mrs. M. F. Widmer, Highland, Ill.

## SHAW PREMIUMS.

Prizes, first, second and third in order named in each case.

Display of decorative plants—Wm. Schray & Sons; Sanders' Nurseries; Begonias—F. H. Meinhardt. Borneo plants—Koenig Floral Co.; C. Young & Sons; Sanders' Nurseries. Display of blooming plants, chrysanthemums—exhibited—Schray; Sanders. Geraniums—Koenig Floral Co. Specimen palm—Wm. Schray & Sons. Specimen fern—Koenig Floral Co. Blooming plant—Koenig Floral Co. Group of variegated foliage plants—Schray; Sanders. Group of chrysanthemums with decorative plants as accessories—Koenig; Sanders. Pompons—Koenig Floral Co. Specimen plants, white, yellow and any other color—Vaughan's Seed Store. Pair of bays—

Young; Schray. Orchids—C. Young & Sons.

## CHRYSANTHEMUM BLOOMS.

48 blooms, 8 varieties, 6 blooms each—E. G. Hill Co., with Nellie Pickett, L'Africaine, O. H. Broomhead, Glitter, Mary Ann Pickett, Mrs. Mary Mann, Mrs. L. Thorn and G. W. Pock; H. W. Buckbee, second; W. J. & M. S. Vesey, third. 50 blooms on moss—E. G. Hill Co.; H. W. Buckbee; Elmer D. Smith. Pompons—E. G. Hill; Elmer D. Smith.

## MISCELLANEOUS.

50 carnations—J. F. Ammann. 50 roses—Richmond—W. J. & M. S. Vesey. 50 Killarney—Ammann; Vesey. 50 any other pink rose—Ammann with Chateaux; Vesey with Bridesmaid. 50 white—Ammann with Ivory; Vesey with Bride. Hamper of chrysanthemums—Fred C. Weber.

## SECOND DAY ENTRIES.

Carnations, five vases of 50—Chicago Carnation Co., first with Enchantress, Rose Pink Enchantress, Beacon, Splendor, White Perfection; E. G. Hill Co., second; Wedland & Olinger, third. 50 American Beauty—Wedland & Olinger. Roses, six vases of 25—J. F. Ammann, first with Killarney, Ivory, Alice Roosevelt, Mrs. Potter Palmer, Mme. Chateaux and Rhea Reid; Vesey, second. Bridal bouquet—F. C. Weber; F. H. Weber. Basket of roses—F. C. Weber; F. H. Weber; Koenig Floral Co. 50 chrysanthemums arranged for effect—F. C. Weber; E. G. Hill Co.

## THIRD DAY ENTRIES.

Classes for 25 blooms of one variety were all won, first by E. G. Hill Co.; Vesey, two seconds; Hemmer Bros., one third. Classes for 50 carnations were all won, first by Chicago Carnation Co.; Vesey, two seconds; Hill and Ammann, each one second. Violets—Fred C. Weber. Basket of Carnations—F. C. Weber; Koenig Floral Co.; F. H. Weber. 100 roses arranged for effect—W. J. & M. S. Vesey, first with Brides; F. C. Weber, second with Richmond.

## ELMIRA, N. Y.

The Elmira Civic Improvement League and Horticultural Society held a Chrysanthemum Show in the beautiful new hall of the Woman's Federated Charities Building, Nov. 5, 6 and 7, and the proceeds of the show were donated to that institution. The exhibits filled the hall nicely and with the groups of palms and flowers arranged by the local florists, Duand, Leavitt and Backer and by Wm. Pursey, gardener for Hon. J. S. Fassett, made a beautiful display. Music was provided afternoons and evenings. The admission charged was 25 cents and while the attendance was light still a comfortable sum was realized for the Federation over and above the expenses.

One of the most interesting parts of the show was the exhibit from the N. Y. State College of Agriculture at Cornell, of illustrations and specimens representing their work on insects, plant disease and the various horticultural operations of planting, grafting, etc. There were three gentlemanly attendants in charge who took pains to explain to all interested.

Among the most popular exhibits were the beautiful assortment of orchids from Lager & Hurrell, Summit, N. J., the vases of splendid Chateaux and Queen Beatrice roses from the U. S. Cut Flower Co., the large vase of Pennsylvania chrysanthemums and sample of Rudd's Defiance Carnation as grown by H. N. Hoffman, the table full of single seedling chrysanthemums and vases of immense large ones from C. H. Tetty and from Elmer D. Smith Co. The Smith Co. exhibit arrived too late for competition. The varieties of carnations exhibited were Pink, White and Rose-Pink Enchantress, Afterglow, Winsor, Lawson, White Lawson, White Perfection, Mrs. J. C. Vaughan,

(from W. N. Rudd) Defiance, Beacon and Sarah Hill.

The awards were as follows: Chamber of Commerce cup, for best undecimated variety, to U. S. Cut Flower Co. for a white seedling No. 11, grown by H. G. P. Rawson.

25 blooms, one variety, H. N. Hoffman, 1st, with Pennsylvania; U. S. Cut Flower Co., 2d, with Dr. Engelhard.

12 varieties, one each, C. H. Tetty 1st, with Mrs. H. Partridge, Mrs. Wm. Duckham, Glenview, C. H. Tetty, Mary Mason, J. C. Neill, Morton F. Plant, Mary Donnellan, Mme. G. Rivol, and S. A. Nacur-Bey; U. S. Cut Flower Co., 2d.

6 Yellow, U. S. Cut Flower Co. with Golden Chadwick; H. N. Hoffman, 2d, with Golden Dome. 6 White, H. N. Hoffman, 1st, J. H. Knapp, 2d, both Timothy Eaton. 6 Pink, U. S. Cut Flower Co., 1st; H. N. Hoffman, 2d, both Engelhard. 6 Red, U. S. Cut Flower Co., 1st, Geo. W. Childs; Single bloom, do., with Lynnwood Hall. Carnations, U. S. Cut Flower Co., 1st; Hoffman, 2d; Knapp, 3d. Tea Roses and American Beauties, U. S. Cut Flower Co., 1st in both. Group of plants, Hon. J. S. Fassett, gardener Wm. Pursey.

## NASSAU COUNTY HORTICULTURAL SOCIETY.

The Nassau County Horticultural Society held its fourth annual exhibition in Pembroke Hall, Glen Cove, N. Y., on 5th and 6th of November. The hall was tastefully decorated and the exhibits effectively placed, giving a good view from all sides. It was one of the best exhibitions given by the Society, both financially and otherwise. A special feature of the exhibition was two pieces of fretwork by Mr. Ingram, Oyster Bay, which received honorable mention. J. H. F. Matz had an elaborate flower piece in the shape of a harp, standing 4 ft. high, which received a certificate of merit. James D. Cockcroft of Northport sent twenty-five blooms of his new white carnation Georgia, which received a certificate of merit and attracted a good deal of attention. Music was supplied each evening by Miller's Orchestra. The judges were Geo. D. Hale, Seabright, N. J., and Robert Angus, Tarrytown. Representatives from several of the New York seed houses were present. Awards were as follows:

Group of chrysanthemums—First to A. Mackenzie, gardener to Percy Chubb. Three specimens, one specimen, also specimen foliage plant other than palm and group of ornamental and flowering plants were all won by the same exhibitor.

Specimen palm—S. J. Trepass, gardener to J. Roger Maxwell; three ferns—first, A. Mackenzie; second, S. J. Trepass. Specimen fern—S. J. Trepass. Asparagus Sprengeri—V. Cleres, gardener to T. S. Smithers.

Chrysanthemum blooms—first and second respectively—White, V. Cleres, George Wilson, gardener to Benj. Stern; yellow, Geo. Wilson, A. Mackenzie; pink, Mackenzie, Wilson; crimson, Cleres, Wilson; bronze, Wilson, Trepass; 25 arranged for effect, Mackenzie, Cleres; collection of outdoor varieties, Paul Reu, gardener to Walter Gibb.

Miscellaneous—American Beauty roses, Cleres, Mackenzie; white, pink and any other color, Mackenzie; 12 carnations, Cleres; 25 do., J. F. H. Matz, J. Ingram; violets, Ingram; table center piece, Henry Gant, gardener to H. L. Pratt, J. Ingram. Of fruit and vegetables there was a fine display, G. Wilson, F. Petroccia, Paul Reu, S. J. Trepass and A. Mackenzie participating in the winnings.

Special premiums—Collection of outdoor roses, silver cup (to be won three times), to L. G. Forbes; table of ornamental plants, Mackenzie, Trepass; 20 chrysanthemums, Mackenzie, Trepass; 18 do., A. Alius, Cleres; 12 do., Mackenzie, Wilson, Trepass; 6 do., Mackenzie, Alius; 25 carnations, Mackenzie, Trepass; single violets, Petroccia, Trepass; commercial do., J. H. F. Matz; largest chrysanthemum bloom, Alius; collection of singles, Trepass.

J. F. Huss was first on collection of nov-

classes, and in the first of each class received favorable scores. Waiting Greenhouses, several styles, and plants of all species, including the following: The judges, Supt. H. H. Scoville, for the first, Mr. J. A. Weber for the second, and Mr. J. A. Weber for the third. The judges, Supt. H. H. Scoville, for the first, Mr. J. A. Weber for the second, and Mr. J. A. Weber for the third. The judges, Supt. H. H. Scoville, for the first, Mr. J. A. Weber for the second, and Mr. J. A. Weber for the third.

There were many special awards, including the following: Waiting Greenhouses, several styles, and plants of all species, including the following: The judges, Supt. H. H. Scoville, for the first, Mr. J. A. Weber for the second, and Mr. J. A. Weber for the third. The judges, Supt. H. H. Scoville, for the first, Mr. J. A. Weber for the second, and Mr. J. A. Weber for the third.

#### TARRYTOWN HORTICULTURAL SOCIETY.

The ninth annual exhibition of this wide-awake organization was held in Music Hall, Tarrytown, N. Y., on November 4, 5 and 6, and was fully up to the high standard of its predecessors. The hall presented a beautiful appearance, the groups being well placed and the balance of bright color and green admirably adjusted. The private gardeners and florists of this favored garden section were out in full force and the exhibits which they staged were, as heretofore, shining examples of the best in cultural attainment. There were twenty four special classes, all being well competed. Of the sixty four regular classes entries were also very complete, there being only one plant class, two fruit, one vegetable and six exclusively amateur classes uncompleted for. The silver medal for best new decorative plant was awarded to F. R. Pierson Co. for *Nephrolepis elegantissima compacta*. Rose White Killarney shown by same exhibitor received certificate of merit as did also a seedling carnation of great promise. Other prize awards, summarized were as follows:

**SPECIALS.** F. R. Pierson cup for winner of largest number of premiums, Julius Roehrs prize for table of orchids and ferns, Dreer prize for collection of stove plants, Seligman prize for basket of flowers and Jewell prize for centerpiece were won by S. Untermeyer, supt. W. H. Waite.

Archbold prize for 12 chrysanthemums, Lewis prize for 24 do. and Mrs. Osborn prize for 36 do. were won by Wm. Rockefeller, gard. Geo. Middleton.

The S. L. Bar prize for table of decorative plants, Chas. Vanderbilt prize for largest chrysanthemum, Potter cup for 18 chrysanthemums and McLeod prize for miniature flower garden, to Emil Berolz, helper, 2 do. to W. J. Johnson, assistant gardener, George Peck.

Johnson prize for single chrysanthemums to Supt. H. H. Scoville.

A. A. S. prize for six chrysanthemum plants to Geo. Peck, Potter prize for W. C. Rockefeller.

A. A. S. prize for six chrysanthemums to Supt. H. H. Scoville, Mrs. S. Untermeyer, 2 do. to Mrs. M. D. B.

Best specimen plant, 1 do. to A. H. Wingett, Supt. for Chas. Lamer, Henderson 1 do. to R. H. Scoville, 2 do. to W. J. Johnson.

Best specimen plant, 1 do. to A. H. Wingett, Supt. for Chas. Lamer, Henderson 1 do. to R. H. Scoville, 2 do. to W. J. Johnson.

Best specimen plant, 1 do. to A. H. Wingett, Supt. for Chas. Lamer, Henderson 1 do. to R. H. Scoville, 2 do. to W. J. Johnson.

Best specimen plant, 1 do. to A. H. Wingett, Supt. for Chas. Lamer, Henderson 1 do. to R. H. Scoville, 2 do. to W. J. Johnson.

Best specimen plant, 1 do. to A. H. Wingett, Supt. for Chas. Lamer, Henderson 1 do. to R. H. Scoville, 2 do. to W. J. Johnson.

Best specimen plant, 1 do. to A. H. Wingett, Supt. for Chas. Lamer, Henderson 1 do. to R. H. Scoville, 2 do. to W. J. Johnson.

Then, Trevillian, two seconds; Mrs. J. B. Trevor, gardener Howard Nichols, three firsts; Wm. Rockefeller, one first, Joseph Eastman, one second.

**CHRYSANTHEMUM BLOOMS.** Fredk Potter, three firsts, one second; W. W. Heroy, gardener Abraham Wayne, one first, one second; R. and H. Scoville, one first, Mrs. Siegel, W. C. Osborn and S. Lisa each one second.

**VIOLITS.** Mrs. I. N. Seligman, gardener John Brunzer, one first, one second, S. Untermeyer, one first, one second, Rich and Langlois, two firsts.

**CARNATIONS.** F. R. Pierson Co., three firsts; Krietschman Bros., one second, W. Rockefeller, five firsts, one second, S. Untermeyer, two seconds; F. Potter, three firsts, one second; Miss Potter, J. J. Riker, Chas. Lamer, each one second.

**ROSES.** Wm. Rockefeller, one first, S. Untermeyer, one second; Mrs. S. Fish, F. Potter, each one first; Mrs. Seligman, one first, one second; Miss Potter, Mrs. Trevor, each one second; J. J. Riker, two firsts; Mrs. L. P. Child, gardener W. H. Magnus and Mrs. E. A. Constable, each one second.

#### CONNECTICUT HORTICULTURAL SOCIETY.

The annual chrysanthemum show of this Society was held in Unity Hall, Hartford, Conn., Nov. 5-6, and was by far the most successful exhibit ever held under the auspices of the Society. The attendance far exceeded even the most sanguine expectations. The classes were all well filled and competition was particularly keen in the cut bloom division. Notable among the entries was the exhibit of blooms, also a group of decorative plants and flowers, from the J. J. Goodwin estate, J. F. Huss, superintendent. Among the exhibits from the Walter L. Goodwin estate was a superb specimen Begonia Lorraine, grown in a pan and measuring fully 3 ft. in diameter, also three perfectly grown standard chrysanthemums.

A fine collection of cut blooms was exhibited by the Department of Parks head gardener, P. Zuger. Although not entered for competition, this received a diploma, as did the collection of anemone and single varieties. Whiting Greenhouses also carried off many prizes with cut blooms of excellent quality. The fine collection of orchids exhibited by Mrs. B. B. Tuttle probably received more attention from the public than any other single exhibit.

Vine Hill Gardens easily carried off the honors for the best display of vegetables with a collection of forty-five varieties, the artistic arrangement of which reflected much credit on the gardener, Robert Cawte. The judges were: Gus. X. Amyrhn, New Haven; Chas. R. Russel, Roslyn, L. I., and George Thompson, Lenox, Mass., and their awards were as follows:

3 specimen plants, J. F. Huss, first; J. A. Weber, second; 2 standards, J. A. Weber, J. F. Huss.

12 single stem single, 6 single stem, 24 pompons, 12 pompons and specimen pompon, J. F. Huss.

25 flowers, distinct varieties, J. F. Huss, Whiting Greenhouses; 12 do. J. F. Huss, J. A. Weber; 6 do. J. A. Weber, Whiting Greenhouses.

#### LOCAL FLOWER SHOWS.

**Kearney, Neb.**—The Kearney Floral Co. kept open house on Nov. 1 and the public responded in large numbers.

**Davenport, Ia.**—Supt. Boehm, of Central Park, opened the conservatories to the public on Nov. 8 for two weeks.

**Greenfield, Mass.**—The annual dis-

play of chrysanthemums at the houses of E. A. Richards is attracting many visitors.

**Johnston, S. C.**—Nov. 7 was flower day, and the entries were numerous, palms, ferns and begonias being the favorites.

**Columbus, O.**—The Livingston Seed Co. issued an artistic souvenir announcement of their chrysanthemum show on Nov. 5-7.

**E. Liverpool, O.**—C. Peterson opened his greenhouses to the public on Oct. 31 for a view of his extensive collection of chrysanthemums.

**Baltimore, Md.**—The chrysanthemum show at Carroll Park on Oct. 31 attracted numerous visitors from a distance and was a success.

**Lancaster, Pa.**—The public chrysanthemum display at the houses of B. F. Barr, the florist, have proved a magnet to draw many visitors.

**Albany, N. Y.**—Whittle Bros., 10 N. Pearl St., had an exhibit of the "Queen of Autumn" that was the admiration of hundreds on Oct. 31.

**Cincinnati, O.**—Supt. Rodgers opened the Eden Park greenhouses to the public on Nov. 1, with a superb display of chrysanthemums, crotons, etc.

**Atlanta, Ga.**—The Women's Club held a chrysanthemum show on Oct. 30 that netted a flattering sum for the schools among the mountaineers.

**Gaffney, S. C.**—The Ladies' Aid Society held their annual flower show on Oct. 30 with Mrs. H. D. Wheat. Prizes were awarded and a goodly sum made.

**Bellefontaine, O.**—Miss M. C. Eads, florist, invited the public to her greenhouses on Oct. 30, 31, where an attractive exhibit of chrysanthemums awaited them.

**Buffalo, N. Y.**—The chrysanthemum show at South Park opened Nov. 1 and will continue two weeks. Director J. F. Cowell pronounces it the best ever made there.

**Northampton, Mass.**—The annual chrysanthemum show at Smith College took place during the week of Nov. 1 with a good exhibit, including some novelties.

**Anacostia, D. C.**—F. H. Kramer's greenhouses were thronged with visitors during the last week in October to inspect his extensive exhibit of chrysanthemums.

**Wooster, O.**—The greenhouses of the Experiment Station were opened on Sunday afternoon, Nov. 1, that the public might enjoy the chrysanthemums then at their best.

**Pueblo, Colo.**—Supt. Hennenhofer opened the greenhouses at Mineral Palace park to the public Nov. 1 with an array of chrysanthemums nearly double the number shown last year.

**Newark, N. J.**—Those who wish to see the chrysanthemums in Branch Brook Park greenhouses at their best are reminded that they should lose no time. The display includes many novelties.

**Joliet, Ill.**—The Thompson Florist Co., A. C. Rott, manager, held their fall opening on Nov. 1. An attractive feature was a dinner table decoration of orchids and souvenirs presented by a Japanese girl.

**Wakefield, R. I.**—At the chrysanthem-

## News of the Clubs and Societies.

num show of the Silent Circle of King's Daughters held on Nov. 4, Arthur Dixon and James Cummins represented the professional gardeners among the winners of prizes.

**Schenectady, N. Y.**—The flower show at the conservatories of W. T. Hanson netted \$278 for the Ellis Hospital. Niles Johnson, the gardener, received many compliments on his attractive arrangement of the plants.

**Wichita, Kan.**—C. P. Mueller not only invited the public to inspect his chrysanthemums on Nov. 5 but arranged with the street car officials for transportation to his houses. Needless to say there was a crowd.

**Niagara Falls, N. Y.**—A chrysanthemum show opened in the new Federation building on Nov. 5, and among the commercial exhibitors were The William Scott Co., Buffalo, C. H. Totty, Madison, N. J., and Lager & Hurrell, Summit, N. J.

**New York, N. Y.**—6500 chrysanthemum plants in three houses was the attraction offered in Central Park during the week of Nov. 3. The show will continue through the month and include orchids, etc. Chief gardener C. C. Olsson is in charge.

**Chestnut Hill, Pa.**—The Horticultural Society held its show of flowers and fruits in Joslin Hall on Nov. 4. Edward West, gardener to E. N. Benson, had a fine showing of chrysanthemums, and Robert Morrow, gardener to G. I. Bodine, mammoth squashes.

**Fairhaven, Mass.**—Nov. 6, 7, 8 were visiting days at the greenhouses on the estate of H. H. Rogers, where James Garthley is in charge. Winsor carnations, foliage plants, crotons, etc., vied with the extensive collection of chrysanthemums for admiration.

**Edgefield, S. C.**—The floral fair on Oct. 30 called out an admiring throng from all the surrounding towns. Senator Tillman was among the visitors. Robert Berckmans, of Augusta, Ga., presented the prizes. A floral parade was a feature of the afternoon, followed by a concert and german in the evening.

**Albany, N. Y.**—The annual chrysanthemum show at the Lake-house, Washington Park, was opened to the public Sunday, Nov. 8. The exhibition comprises over four hundred varieties, many of which are not seen ordinarily at the florists' establishments. The show is under the supervision of park commissioners Bender and John J. Welsh, head gardener of city parks.

### PHILADELPHIA NOTES.

A party consisting of Robert Buist, Mr. and Mrs. W. Atlee Burpee and Howard M. Earl started in Mr. Buist's auto from Burpee's Fordhook Farms, on October 28, on a tour of the Long Island seed growing districts.

The new Tower Hall Seed House of the Henry F. Michell Co., 518 Market St. will soon be in shape to assist the present store in taking care of the firm's rapidly growing business. The work of reconstruction is progressing rapidly and Mr. Michell expects to have the new store open about December 20th.

### DETROIT FLORISTS' CLUB.

Nov. 5, 1908, the day of the excursion to Mt. Clemens, was another red letter day in the Detroit Florist Club's history. An elegantly fitted up excursion car took 65 members to Mt. Clemens, stopping on the way for a short visit at J. F. Sullivan's place. Arriving at Mt. Clemens the first call was made on Leo Mallast, whose houses of very healthy carnations showed a high standard of perfection.

At John Breitmeyer's Sons a substantial lunch was enjoyed. Secretary Sullivan made a felicitous address. Unfortunately former president Scribner was not here, and the scheduled presentation of watch and chain to him had to be postponed. Looking about the greenhouses American Beauty and other roses, chrysanthemums, etc., elicited admiration by their high quality. The next stop was at Klagge's, where the houses showed very promising for a large crop of good roses and carnations, but violets are here, as elsewhere, very far behind.

A short tramp brought the visitors to genial James Taylor's establishment, where extensive improvements are under way and refreshments were again enjoyed. Thence to Carey's, where a very large crop of Liberty rose was seen. The establishment of T. Von Boesllaeger which was next visited is a beautifully laid out and orderly place. Roses and carnations, hospitality, interesting speeches and mirthful songs here filled out the program.

Among the invited guests were the force of the boiler inspector's office. These gentlemen were very much interested in the various heating plants, and as they are working on a change of the present city ordinance, which now requires second engineer's papers of those who tend greenhouse boilers, their visit will no doubt prove mutually beneficial. FRANK DANZER.

### GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

The meeting of this Club was held on the evening of the 9th. This was Ladies' Night and the attendance was exceptionally large. The main feature of the evening was an illustrated lecture by J. Otto Thilow of Philadelphia on the Flora of the Yellowstone Park and the Puget Sound region. The lecture was ably given and was heartily enjoyed by every one present.

Other features of the meeting were a vase of Craig's white sport Baby Margaret, from the yellow Margaret pompon chrysanthemum, white seedling carnation from Gustav Lotze, also his new white chrysanthemum, Mrs. Lotze, in fine shape and Thomas White, gardener at the Maryland Agricultural College, exhibited some fine specimens chrysanthemum blooms.

Several members of the club will visit the Washington Chrysanthemum show on Friday, 13th, and, incidentally, the Baltimore bowling team will give the Washingtonians a few pointers on bowling.

### NEW YORK FLORISTS' CLUB.

The meeting on Monday evening, 9th inst. was not very largely attended. The transportation committee reported that the attendance from this section to the National Flower Show numbered about twenty. W. F. Sheridan, for the nominating committee, reported the following names for candidates for the offices to be voted for at the December meeting: President, E. V. Hallock, C. B. Weathered; vice-president, W. W. Burnham, Harry Turner; secretary, John Young, H. A. Bunyard; treasurer, J. K. Allen, W. C. Rickards, Jr.; trustees, John Scott, Patrick O'Meara, F. H. Traendly, Robert Simpson, A. H. Langjahr, A. Zeller, Paul Dailledouze. The by-laws were amended, making the cost of life membership \$50 instead of \$75.

Frank H. Traendly, John Young, C. B. Weathered, E. V. Hallock and John I. Raynor were the first five to make application for life membership.

A communication was received from Benj. Hammond of the S. A. F. legislative committee relative to the complaints of excessive express rates, and same was referred to the legislative committee of the club. A letter from Mrs. Alex. Wallace acknowledging receipt of resolutions passed by the club regarding the death of her husband.

F. H. Traendly, just returned from Chicago, spoke of the National Flower Show, which he said was very creditable to the Chicago Florists' Club, also to the eastern exhibitors who had done well. The attendance on the first days indicated a financial success. Artistically he considered the show the best he had ever seen. Mr. Bunyard moved a telegram of congratulation to the secretary of the S. A. F. A. L. Miller moved a telegram of congratulation to Mayor-elect Breitmeyer of Detroit. These were ordered, also congratulations to A. C. Zvolanek on his election as a Justice of the Peace for Bound Brook, N. J. Mr. Zvolanek responded. Chairman Rickards announced complete arrangements for the club smoker to take place on November 18.

The judges reported on the exhibits of the evening, recommending a first-class certificate for Nephrolepis Scholzei from Herman Scholgel and cultural commendation for pompon chrysanthemum Baby Margaret, shown by Robert Craig Co.

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, November 17, at 8 o'clock. Eber Holmes of the Montrose Greenhouses will speak on the subject, "How We Can Improve Our Club." Nominations of officers for 1909 will be made and indications point to a big attendance of interested members. There will be short reports on the National Show and as usual some good exhibits. A cordial invitation is tendered to any outsiders who are not yet members and would like to pass a pleasant evening to meet with us on Nov. 17. W. N. CRAIG, Secretary.

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

## Cut Flower Rates.—Freight on Ice and Empty Packages.

The two letters following present the case of the Florists' grievance and the reply. The subject is one which may rightly be taken up for consideration by the Florists' Clubs in the centers of trade.

BENJAMIN HAMMOND.

Chairman Legislative Committee,  
S. A. F.

Fishkill-on-Hudson, N. Y.,  
Nov. 4, 1908.

Mr. J. H. Bradley, General Traffic Manager  
American Express Co., 65 Broadway,  
New York City, N. Y.

Dear Sir: On behalf of the Society of American Florists, I beg to lay before you certain matters which pertain to the flower growers and sellers in the principal cities of the United States. Certain grievances were brought up at the last annual convention held at Niagara Falls and were referred to the legislative committee of this National Society for action, with the hope that by laying these matters before an authoritative body controlling rates, reasonable consideration may be given these complaints. The cities of Chicago, Boston, Philadelphia, New York, Washington, Baltimore, Pittsburg, Buffalo, Cincinnati, New Orleans, are all interested. The amount of cut flowers sold in this country reaches in the aggregate a great sum of money and the complaint of the growers and shippers is that there has been a marked increase in the cost of handling goods by reason of the edict which has been put in force by the express companies requiring extra charges on the return of empties, to which the growers have unwillingly submitted. The claim is made that the grower is most seriously handicapped in his business by the excessive charge upon the return of empties. The growers around New York complain against this additional charge, which went into effect May 29, 1908. In Boston the same conditions exist, and the Boston people say that they desire to secure a return to the old tariff and the return of empty boxes to regular shippers free of charge. Then again, in the general schedules there is allowance made on nearly three score articles for less shipment. The people of Philadelphia, Chicago and Denver all particularly take up that point. An allowance of 25 per cent. on the gross weight is made in the schedule affixed to Mr. Peter Reinberg, a shipper in Chicago, says: "Our cut flower shipments contain a little over 20 per cent. of the weight of ice." Mr. E. H. Hunt of Chicago says: "In the shipment of flowers 25 per cent. ice is used, not on long distance shipments, but of which go to points such as Dallas, Ft. Worth, and Oklahoma, 40 or 50 per cent. ice is used." The Randall Co. of Chicago says: "Our average shipments contain 25 per cent. ice." Poehlmann Bros. Co., Morton Grove, Ill., says: "We use an average 20 per cent. ice on the gross weight; we would like to use none but our customers kick, and too many express charges." The company has 1,000,000 square feet of glass for roses. This is but a sample of almost innumerable letters. Mr. Edward Reid of Philadelphia says: "In order to be specific in presenting this claim, will say that I made a personal request to the American Express Co. of this city on June 26, 1908, to the discount of 25 per cent. weight allowance on a shipment of flowers made to the Garden Floral Co., Charleston, S. C., in which it was necessary for us to use ice amounting from 40 to 50 per cent. of the gross weight of the shipment, but the request was ignored."

There is a feeling among the shippers that the action of the express companies is arbitrary and the advice I give as chairman of the Legislative Committee was to bring the complaints to a body which is primarily concerned here, and to submit them to the Board of Traffic Managers fairly and straightforwardly, and in my opinion they will receive consideration and if it is just to get the shippers and allowances in a reasonable condition, it would be long.

I have a mass of papers on the matter which it is not necessary to burden you with. I have secured the general schedule from the American Express Co. and the Wells, Fargo Co. I have secured most courteous consideration from the superin-

tendent of the American Express Co. in New York, and from a travelling representative of the American Express Co. As this company covers more ground and handles more of this product than any other two companies combined, it seems advisable to take the matter up through you. I am enclosing letters from Messrs. Welch Bros., Boston, Mr. Edward Reid, Philadelphia, and Messrs. Poehlmann Bros., Morton Grove, as representative communications.

Respectfully yours,

BENJAMIN HAMMOND,  
Chairman Legislative Committee, S. A. F.

(Copy.)

American Express Company,  
Office of General Traffic Manager,  
65 Broadway, New York, Nov. 6, 1908.  
Mr. Benjamin Hammond, Legislative Committee, Society American Florists,  
Fishkill-on-Hudson, N. Y.

Dear Sir:—I beg to acknowledge the receipt of your favor of November 4th, and I will at once investigate the question of ice with shipments of cut flowers. I had not supposed that such shipments were being made to any great extent where ice was used for preservation. I am today making inquiry of our agents at the principal cities referred to in your letter, and will give you further reply later.

There is one point referred to in your letter which I may as well say to you now cannot be changed, and that is, the charge on returned empties. Our classification always provided that returned empties must be delivered at the depot by the shipper and taken from the depot by the consignee. We know that our agents did not live up to the classification in this particular and they had been picking up and delivering these empties for certain patrons. Agents at other points did not do so for any patrons and it constituted a discrimination which we were obliged to overcome by putting into effect a classification providing for an additional charge where pickup delivery service was rendered. Shippers and consignees still have the option of delivering the empties at the depot and calling at the depot for them, in which case there is no additional charge made.

We must not lose sight, either, of the fact that the transportation and delivery of cut flowers during extreme cold or extreme heat, etc., calls for extra service in many cases.

Yours truly,

J. H. BRADLEY,  
General Traffic Manager.

## Name of Hydrangea.

The following statement is made in response to some inquiries, and to settle some apparent misunderstandings regarding the name of the hydrangea registered by The E. G. Hill Company, July 21st, 1908, as *Hydrangea arborescens alba grandiflora*:

Professor Sargent, after consideration, decided that the proper name for this variety was *Hydrangea arborescens grandiflora forma nova*. The registration was corrected to that effect, and the latter is the name accepted and recognized by this society.

W. N. RUDD, Secretary.

November 3rd, 1908.

## THE HORTICULTURAL SOCIETY OF NEW YORK.

The exhibition of the Horticultural Society of New York which opens on Tuesday, November 17 in the American Museum of Natural History, 77th street and Columbus avenue, marks an entirely new era in horticultural matters in New York. Inasmuch as the exhibition is open free to the public, and the normal attendance of visitors at the Museum is considerable, the public interest is guaranteed, but further than that, there will be simultaneously, the gigantic tuberculosis exhibit which has just arrived from Washington, and of itself, will attract thousands of visitors daily. Probably there has never before been so great an opportunity for the trade to secure first class publicity with such little effort. Exhibits

of novelties or specialties are welcomed and communications should be addressed to Leonard Barron, Secretary, 55 Liberty street, New York.

## PITTSBURG FLORISTS' AND GARDENERS' CLUB.

About forty of the members met at Schenley Park greenhouses on Monday, Nov. 2nd. A visiting day amongst the chrysanthemums in the neighborhood was the object for which the meeting was called. The day, however, was too short, and many of the places on the list had to be left out. Ten o'clock in the morning seems to be a little early for most of the Pittsburg florists, many of the tardy ones arriving after a move of inspection had been made. Supt. Burke and Mr. J. W. Jones conducted the party through the Phipps' conservatories, in which were found many things of interest, chief of which were the chrysanthemums and begonias Gloire de Lorraine, some of the baskets seen being superb. The party was then taken over by Mr. Randolph of Randolph & McClements, and transported by special cars to their store. After an inspection of the show houses, store rooms and other places of interest in the large, well equipped retail establishment, the party was conducted to the Dorsett Hotel, where an elaborate luncheon was provided by Randolph & McClements. After a few felicitous speeches by President Burki, E. Reineman and J. W. Jones, which were ably replied to by Mr. Randolph, a move was made to the extensive growing establishment of the firm on Stanton avenue. The crotons here are a feature and are worthy of special mention; thousands of plants of various sizes fill several sections. Mr. Randolph is justly proud of them, and much time was spent in this department. The fern sections were next visited, where ferns of all varieties and sizes are grown in quantity and next many sections devoted to palms, pandanus, cycads, poinsettias and many other things too numerous to mention. There was also a big array of chrysanthemums. The party then moved to the conservatories of A. R. Peacock, calling on the way at the residence of Mr. Reineman. Mr. Jenkinson conducted the party through the Peacock greenhouses.

Everyone was enthusiastic over the outing and expressed a wish that more visiting days of the same kind be arranged for. Such outings are productive of much good, bringing the wholesale and retail men into closer touch with the growers. The private gardener is benefitted by an occasional sidelight on the commercial phase of his profession, while the commercial man gets some idea of the scope covered by the work of the private gardener. The horizon of each is broadened and good fellowship promoted as other phases of the business than their own become better understood.

JAS. HUTCHINSON.

The regular meeting of this club, Tuesday, Nov. 3, was unusually well attended, it being Chrysanthemum Night, which always brings a large crowd. In the absence of the president and vice-president, Jno. W. Jones took the chair.

The private gardeners had a competitive exhibit of chrysanthemums as

## NEW FORCING ROSE

**WHITE KILLARNEY****"WABAN CONSERVATORIES VARIETY"**

A sport from the Pink Killarney, and is identical in form and habit, differing only in its pure white color, and being more double.

AWARDED A SILVER MEDAL BY MASS. HORTICULTURAL SOCIETY, AT BOSTON, NOVEMBER, 6 1908.

ORDERS TAKEN FOR PLANTS AT

**WABAN ROSE CONSERVATORIES, NATICK, MASS.**

— OR —

**SALESROOM—3a SOMERSET ST., BOSTON, MASS.**

It has been carefully grown and only the very best wood selected for propagating; the result of this treatment is seen in the remarkable vigor of the plants.

Own Roots						PRICE LIST		Grafted Stock					
Doz.	100	250	500	1000	2500	5000	Doz.	100	250	500	1000	2500	5000
\$5.00	\$30.00	\$70.00	\$125.00	\$250.00	\$562.50	\$1000.00	\$6.00	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00

**Plants Will Be Ready For Delivery After March 1st, 1909**

follows, thirty dollars being contributed in cash prizes equally by H. H. Negley, G. M. Laughlin and an unknown donor. The chairman appointed as judging committee, Messrs. Laughans, Lilly and Featherstone, who awarded first prize for twelve chrysanthemums, 12 varieties, to H. S. Price, gardener for G. M. Laughlin; second, to N. C. Madsen, gardener for R. H. Boggs; third to T. P. Jenkinson, gardener for A. R. Peacock. Six chrysanthemums, one variety, H. S. Price first for Bright-hurst; David Fraser, gardener for H. C. Frick, second. Specimen chrysanthemum, H. S. Price, first for Garza.

Phipps Conservatories had a large display of chrysanthemums, almost every one a specimen. Mr. Jones, the foreman, left the chair, and taking up the varieties in order, discussed them.

He thinks very well of Mrs. J. C. Neill, a light yellow, and Lady Hopetoun, heliotrope pink. At the conservatories Miss Clay Frick proves one of the best, though it does not do so well everywhere. Other notable varieties he considered to be Mrs. Wm. Duckham, F. S. Vallis, Leila Filkins, Miriam Hankey, Merza, Beatrice May, Mary Ann Pockett and Mrs. J. E. Dunne. At the conclusion of Mr. Jones' remarks Wm. Falconer asked for the chair, when Mr. Negley called the attention of the club to the fact that for several years Mr. Jones had attended almost every meeting, an active and interested participant, and shown quantities of high-class flowers from Schenley Park and Phipps Conservatories; that the same being city institutions he was debarred from com-

petition in any class, and Mr. Negley suggested that the club should recognize his unselfish and valued services by a gratuity. As this seemed to meet with the unqualified approbation the chair appointed Messrs. Negley and Laughans as a committee to decide the term the gratuity should take.

Mr. Jones is recognized as one of the best plantmen in the United States, and the Phipps Conservatories, where he is foreman, challenge comparison with the best institutions in the largest cities. The only wonder is that action in recognition of his services has not taken place before.

Some fine hardy chrysanthemums grown out of doors were shown by Fred Wissenbach, potted up in frames Sept. 20. He received honorable mention.

H. P. JOSLIN, Sec'y.

**BULBS—SPECIAL TO CLOSE OUT**

**LILIUM LONGIFLORUM** Japan Grown. 7-9 in., 300 to the case, \$6.00 per 100, \$50.00 per 1000.

**LONGIFLORUM GIGANTEUM.** 7-9 in., 300 to the case, \$7.50 per 100, \$67.50 per 1000.

**FREESIA REFRACTA ALBA.** We have a small surplus of the largest sized French-grown bulbs. Mammoth bulbs, ¾-inch up, \$7.50 per 1000 as long as unsold.

**LILY OF THE VALLEY, Cold Storage.** For immediate forcing. Finest quality, case of 250, \$4.00; case of 500, \$7.50; case of 1000, \$14.00; case of 2500, \$32.50.

**DUTCH HYACINTHS.** Selected named varieties. First size, \$5.00 per 100, \$45.00 per 1000. Fine named varieties, second size, \$4.00 per 100, \$35.00 per 1000. Separate colors, singles, \$2.50 per 100, \$23.00 per 1000. Miniature, or Dutch Romans—very profitable stock for growing—finest named varieties in white, pink, and blue, \$2.00 per 100, \$18.00 per 1000.

**TULIPS.** A few of the leading varieties, which we can supply in quantity, as follows: Cardinal's Hat, \$1.00 per 100, \$7.50 per 1000; Duchesse de Parma, \$1.25 per 100, \$11.00 per 1000; Joost van Vondel, \$1.50 per 100, \$12.50 per 1000; La Reine, \$1.25 per 100, \$9.00 per 1000; Pottebakker

White, \$1.25 per 100, \$10.00 per 1000; Proserpine, \$3.00 per 100, \$27.00 per 1000; Rose Griselin, \$1.50 per 100, \$12.00 per 1000; Yellow Prince, \$1.00 per 100; Bouton d'Or, \$1.00 per 100, \$8.00 per 1000; Gesneriana Spathulata, \$1.25 per 100, \$11.00 per 1000; Darwins, \$1.00 per 100, \$9.00 per 1000; Picotee, \$1.00 per 100, \$8.00 per 1000; La Candeur (double white), \$1.50 per 100, \$12.00 per 1000; Murillo (double pink), \$2.25 per 100, \$19.00 per 1000.

**NARCISSUS.** Golden Spur, \$1.75 per 100, \$15.00 per 1000; Empress, selected, double-nosed, \$2.00 per 100, \$18.00 per 1000; Emperor, \$1.75 per 100; Principles, 80c. per 100, \$6.50 per 1000; Single Von Sion, \$1.25 per 100, \$10.00 per 1000; Double Von Sion, selected double-nosed, \$2.25 per 100, \$19.00 per 1000; Mrs. Langtry, 75c. per 100, \$6.00 per 1000; Orange Phoenix, \$1.25 per 100, \$9.00 per 1000; Paper White Grandiflora, \$1.25 per 100, \$9.00 per 1000; Poeticus, 60c. per 100, \$4.00 per 1000; Barri Conspicuous, 80c. per 100, \$6.50 per 1000; Victoria, \$2.00 per 100.

**ROMAN HYACINTHS, PINK.** \$2.25 per 100, \$20.00 per 1000.

**SPANISH IRIS.** All colors mixed, 40c. per 100, \$2.00 per 1000.

**GLADIOLI.** Colvilli Alba, "The Bride," 75c. per 100, \$6.00 per 1000; Peach Blossom, \$1.75 per 100.

For complete list of bulbs, see our wholesale price list.

**F. R. PIERSON CO. TARRYTOWN-ON-HUDSON, NEW YORK**



NEW STORE OF THE GEO. WITTBOLD CO.  
Largest Decorators in Chicago.



#### NEW BEDFORD HORTICULTURAL SOCIETY.

The New Bedford Horticultural Society accepted an invitation from James Garthley to hold its monthly meeting in the greenhouses of H. H. Rogers on Friday evening, Nov. 6, this being one of the days of the annual free exhibition.

An interesting discussion upon the culture of chrysanthemums was held. There was a good attendance of old-timers and the discussion was well flavored with reminiscences of the time when New Bedford gardeners could fill the old skating rink with magnificent specimens of the Autumn Queen.

During a recess the houses were inspected and light refreshments served. The general verdict was, that people might travel far and pay fat admission fees and not see better. With the exception of a few very fine plants, the stock was perhaps more than usually overgrown, necessitating a looser style of arrangement, and this, combined with the use of a number of pompons,

anemones and double anemones, proved to be the most attractive feature of the exhibition. Mr. Garthley was awarded the Society's silver medal in token of appreciation of the excellent show.

The president, Frank C. Barrows, and Wm. Keith were appointed to represent the Society at a meeting called by the Board of Trade, the object of which is to devise some plan by which the public shade trees of New Bedford may be conserved.

THOMAS WHITE.

#### CLUB AND SOCIETY NOTES.

The Indiana State Florists' Association held its monthly meeting on Nov. 2.

The Albany Florist Club, N. Y., held their annual meeting on November fifth. There was quite a heated discussion on "crape-pulling."

The Dayton Florists' Club met on Nov. 2 at the store of J. F. Young and partially completed arrangements for a banquet to be held next month.

The Toronto Horticultural Society (Ont.) met on Nov. 3 and elected officers as follows: President, H. R. Frankland; vice-president, J. S. G. Connell, Dr. Baldwin; auditors, A. C. McConnell, E. R. Greig.

The Southampton Horticultural Society (N. Y.) met on Nov. 5 when an interesting paper on Com. was presented by W. L. Jagger. William G. exhibited some mammoth chrysanthemums and upon being questioned told of his methods of growing.

The Illinois State Horticultural Society holds its annual convention at Champaign Dec. 8-15. Exhibits and demonstrations of spraying machinery

will be made and manufacturers are invited to correspond with the secretary, W. B. Lloyd, Kinmundy, Ill., for space.

At the annual meeting of the Worcester County Horticultural Society, Worcester, Mass., the following officers were elected: President, George Calvin Rice; vice-presidents, A. J. Marble, Chas. Greenwood, E. W. Breed; secretary, A. A. Hixon; treasurer, C. S. Bacon; judges—on flowers, plants, etc., George McWilliam; on fruits, Herbert A. Cook; on vegetables, Charles Greenwood.

### GRAFTED ROSES

Special Bargain Sale  
EXTRA FINE STOCK

Killarney, Carnot, Bride, Bridesmaid

From 3-inch Pots.  
\$2.00 per doz. \$12.00 per 100. \$100.00 per 1000

RICHMOND, BRIDE, BRIDESMAID,

From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000.

WOOD BROTHERS, Fishkill, N.Y.

#### Big Money in

### FORCING

Rhubarb and Asparagus

We have 50,000 eight to ten years old Asparagus roots that will force a large amount of Asparagus. Also 50,000 100 years old Rhubarb clumps that will give an immense amount of luscious stalks. These Asparagus roots we had fine Asparagus cut from them for a number of years.

We have also 35,000 Peach Trees, 10,000 Apple Trees, 10,000 rivet Hedging, 100,000 Asparagus Roots, which are one and two years old, 200,000 Strawberry Plants; 100,000 Shade Trees, Evergreens and Shrubbery.

WARREN SHINN'S NURSERY STOCK  
Woodstown, N. J.

### Troy's WANT Corner

WANTED  
LARGE SHADE TREES.

8 to 10 in. caliper.

Transplanted.

Write giving full particulars to

J. H. TROY,  
24 East 34th St., NEW YORK CITY.

# AZALEAS For Forcing—Christmas to Easter



Our stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular American varieties: **Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael, Simon Martner, Vervaeneana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, John Llewelyn, Mme. Cam. Van Langenhove, Mme. Jos. Vervaene, Paul de Shryver, Memorie de L'Van Houfte, Sigismund Rucker**, and others.

	Doz.	100		Doz.	100
8 to 10 in. diam.	\$3.50	\$25.00	15 to 16 in. diam.	\$9.00	\$75.00
10 to 12 " "	4 50	35.00	16 to 18 " "	12 00	90.00
12 to 14 " "	6.00	45.00	18 to 20 " "	25.00	200.00
14 to 15 " "	7.50	60.00	20 to 24 " "	36.00	300.00

Order early to save heavy express charges; impossible to ship by freight in cold weather

**ARAUCARIA EXCELSA**, fine plants \$6.00 and \$9.00 per Doz.  
**ORANGE PLANTS**, well fruited 75c., \$1.00, \$1.50 and \$2.00 each

We have a fine selection of Nursery products. Shall be pleased to give special prices on lists. **ASK FOR WHOLESALE CATALOG.**

**BOBBINK & ATKINS NURSEYMEN and FLORISTS Rutherford, N. J.**

## CARLMAN RIBSAM

Nurseryman of Trenton, N. J.

Will have for Fall and Spring Delivery a Large and Fine Lot of

## California Privet

by the 100, 1000, 10,000 or 100,000, 2 to 4 feet high, 5 to 12 branches and fine roots. Standards 5 to 6 feet high, fine heads. Bush Pyramidal, 3 to 5 feet high Specimens. These are fine plants for Lawns, Parks or Cemeteries.

## ELMS, SUGAR and NORWAY MAPLES

Shrubbery in Variety, Roses, Clothilde Soupert, Mme. Francis Kruger, etc. Vinca variegata, field grown.

Send Your Wants and I Will Send You Price

Hardy Rhododendrons Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our **HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights, P. O. No. 1, Hoboken, N. J.

## CLEARY'S HORTICULTURAL CO.

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

**HORTICULTURAL PRODUCTS**

of every description.

Consignments Received. Surplus Stock Converted.  
62 Vesey St., NEW YORK

## VINCA Variegata

Strong and bushy, field-grown, at \$4.00 per 100.  
Cash with order, please.

T. & A. H. FUNNELL, Huntington, N. Y.

## MISS VIRGINIA MAULE

We have made arrangements by which we now introduce to the trade this **exquisitely lovely new Dahlia**, originated by Mr. Wm. Henry Maule of Philadelphia.

Everything said of **Jack Rose** could be repeated of this giant but delicately beautiful Dahlia. The flower is a revelation in the delicate tints of shell pink; it has a charm that appeals but defies description; a chasteness that the English language cannot adequately describe.

**Virginia Maule** combines all the good qualities of Mrs. Gladstone, (Queen of the Belgians, Nymphaea and Mrs. Roosevelt, with none of their faults. No hard center, no open center, no rigid formation, no crooked or drooping stem, no harsh lavender or crimson-pink shade. It is nearly as large as Mrs. Roosevelt, with the delicate pink tip of that international favorite, Mrs. Gladstone; the beautiful center of Nymphaea. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely. Flowers are borne with stately grace on long erect stems.

**Virginia Maule** is the **Commercial Light Pink Dahlia**, selling two successive seasons at \$6.00 per 100 blooms: will soon supplant all others of its color in cut flower market, and find its way to every Dahlia collection.

**Price:** Strong plants, April 1, 1909, delivery, 50 cents each; \$5.00 per doz.; \$35.00 per 100. A limited quantity of divided field-grown roots, 50 cents each; \$5.00 per doz.

A few whole clumps (full undivided crowns) while they last at \$1.00 each; \$12.00 per doz. Orders booked now and filled in strict rotation.

Address all orders and communications to

**PEACOCK DAHLIA FARMS, WILLIAMSTOWN JUNCTION, N. J.**

Write for Special List

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

JOHN WATERER & SONS, LD.

AMERICAN NURSERY

BAGSHOT,

ENGLAND

## Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

**THE NEW ENGLAND NURSERIES, Inc.**

BEDFORD, MASS.

## BARGAINS in TREES and PLANTS

Concord Grapes, \$2.00. Peach, \$3.00 per 100.

List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.



## HYDRANGEA

(A. pubescens)

### GRAND ALBA

A taking novelty for

**FORCING**

Strong field-grown 15 inch

and up \$15 per 100, \$140

per 1000, 10 to 15 inch

\$10 per 100, \$90 per 1000

**The Elm City Nurseries**

NEW HAVEN, CONN.

## CATALOGUES RECEIVED.

H. L. Crane, Westwood, Mass.—Folder of new Strawberry Barrymore.

Waban Rose Conservatories, Natick, Mass.—Folder and Price List of New Forcing Rose White Killarney.

Peter Lambert, Trier A. Mosel.—Catalogue and Price List of Roses for 1908-09. Has cover in colors and lists many novelties.

New England Nurseries, Inc.—Catalogue of Bulbs, Plants, Evergreens, Roses and Potted Strawberries for Autumn Planting, 1908.

New England Nurseries, Inc.—Catalogue of Bulbs, Plants, Evergreens, Roses and Potted Strawberries for Autumn Planting, 1908.

Anthony Waterer, Woking, Surrey, Eng.—Catalogue for 1908-9 of Hardy Trees, Shrubs, Conifers, Rhododendrons and other American Plants.

W. Atlee Burpee, Philadelphia, Pa.—Preliminary Wholesale Prices of Seeds for 1909. For the trade only. A very complete list of desirable vegetable seeds and choice varieties of sweet peas.

E. C. Heinemann, Erfurt, Germany.—Special Trade List of Novelties, 1909, and some other first-class seeds of former introduction. Handsomely illustrated and contains colored plates of flowers and vegetables of this season's new offers.

Bobbink & Atkins, Rutherford, N. J.—Illustrated Catalogue of "Everything for the Garden." This is a beautiful production, lavishly illustrated with elegant half tones of choice garden trees and flowers. It stands in the front rank as a refined and refining production.

Amos Perry, Enfield, Midx., England.—Catalogue of Pulbs and Tubers; Catalogue of Border and Rock Plants. Both very interesting and decidedly educational. Not much space is devoted to illustrations but the pages are teeming with extensive lists that the planter will find exceedingly useful and suggestive. A beautiful colored plate of Japanese irises accompanies the catalogue.

## PUBLICATION RECEIVED.

Annual Report of the Park Commissioner of St. Louis, Mo. This is a very artistic production and with its many superb full-page pictures makes an album as beautiful as it is interesting.

We are informed that the statement recently made in our columns that the A. J. Pieters Seed Co. had acquired the Loma ranch at Fairview, Cal., is not correct.

Toronto, Can. The Ontario Department of Agriculture has sent a carload of fruit to be shown at the Royal Horticultural Society's exhibition in London, Nov. 26-30. After the show closes it will be displayed at other large English cities.

## PLANT IMPORTS.

Entered at New York, Nov. 4 to 10, 1908.—From Holland: C. C. Abel & Co., 9 cs. bulbs; A. T. Riddington, 32 cs. do.; H. F. Darrow, 60 cs. plants, 2 cs. roots; H. L. Bantelman, 15 cs. trees; Cleary's Horticultural Co., 16 cs. trees and shrubs; Wm. Elliott & Sons, 16 cs. bulbs, 3 cs. trees, 52 pgs. plants; Wm. Hagemann & Co., 4 cs. roots; J. W. Hampton, Jr. & Co., 2 cs. trees, 10 cs. roots; Peter Henderson & Co., 43 cs. bulbs; McHutchison & Co., 46 cs. roots; Maltus & Ware, 207 cs. trees and shrubs, 107 cs. plants, 70 cs. bulbs, 96 cs. flower roots; August Rolker & Sons, 12 cs. bulbs; Stumpp & Walter Co., 12 cs. roots; J. M. Thorburn & Co., 26 cs. bulbs, 18 cs. trees and shrubs; Vaughan's Seed Store, 27 cs. shrubs and trees, 17 cs. plants; Weeber & Don, 17 cs. plants; Sundry Forwarders, 42 cs. trees, 90 cs. plants, 34 cs. flower roots, 11 cs. bulbs.

From Belgium: J. W. Hampton, Jr. & Co., 80 tubs laurel trees, 8 cs. plants; McHutchison & Co., 212 cs. plants and trees; Maltus & Ware, 41 cs. plants, 1 basket do., 26 tubs laurel trees; Jul. Roehrs Co., 2 cs. plants; August Rolker & Sons, 30 cs. do.; Sundry Forwarders, 164 cs. plants, 4 baskets do., 322 tubs laurel trees.

From Germany: H. F. Darrow, 12 cs. lily of the valley pips; Wm. Hagemann & Co., 140 cs. do.; O. G. Hempstead & Sons, 24 cs. do.; Maltus & Ware, 180 cs. do.; Chas. F. Meyer, 213 cs. do.; August Rolker & Sons, 3 cs. plants; Vaughan's Seed Store, 40 cs. lily of the valley pips; Ralph M. Ward & Co., 88 cs. do.; Weeber & Don, 24 cs. do.; Peter Henderson & Co., 207 bags seed; Sundry Forwarders, 25 cs. lily of the valley pips, 4 cs. plants.

Via Havre: Maltus & Ware, 4 cs. trees.

Via Southampton: M. E. Dupuy, 10 cs. plants; McHutchison & Co., 22 cs. do.

Via London: Stumpp & Walter, 5 lags horticult. manure.

Via Liverpool: Sundry Forwarders, 16 cs. plants.

Via Glasgow: Peter Henderson & Co., 240 bls. grass seed.

## NEWS NOTES.

Fryeburg, Me.—Eugene O. Abbott has started in the greenhouse business and will make a specialty of carnations.

St. Louis, Mo.—The Ellison Floral Co. have secured additional quarters in a building to be erected next to their present location.

Phoenix, Ariz.—Horne & Armstrong have made many improvements in their store, and as a new feature in this locality are raising vegetables under glass.

So. Weymouth, Mass.—George Hollis has named a fine, double crimson seedling peony President William Howard Taft, and another one, double pink, Governor Eben Draper.

Fargo, N. D.—The three large greenhouses at the State Agricultural College are nearly completed and Prof. Waldron contemplates a trip to Chicago this month to purchase needed plants.

Houston, Tex.—Prof. H. Ness has been made horticulturist to the experiment station of the Agricultural and Mechanical College, and Prof. E. J. Kyle will give his entire time to instruction in horticulture.

## BERMUDA LILY BULBS.

Vice-Consul W. H. Heyl, of Hamilton, states that the report of the Board of Agriculture of Bermuda just issued contains the following reference to the lily-bulb industry of that island:

The lily-bulb industry is rapidly recovering itself under the direction of the department, the weakest point being the unrestricted export of bulbs not true to type, falsely marked. A "pure-seed" law in America, parallel to the "pure-food" law, would bring the mixed-bulb industry in Bermuda to an abrupt conclusion. At present the sale of selected stock, true to type, is being hampered, prices kept down, and confidence in the trade jeopardized; it is manifestly unfair to those growers who have exercised industry and foresight and who have followed with care the advice published from time to time by this department; for the purchasing florist does not know what he has bought until the bulbs are in full growth three or four months after potting.

The superintendent of the Bermuda public garden states that "the disappointment of both grower and customer, caused by the nonflowering of bulbs sent over as *Lilium Harrisii*, but which are not, have combined to reduce the value of the industry in Bermuda by some 80 per cent. Some two or three of our largest growers, I am glad to say, have for the last few years very carefully weeded out during growth the "hybrids" and longiflorums and can now guarantee their stock absolutely pure *Harrisii*."

At the end of the year it is gratifying to be able to report an immense improvement all round in the lily industry and next year should witness the export of some very fine bulbs. The total number of cases shipped was 6,399, valued at \$16,777.

Boston—The party from Boston to the Chicago Flower Show, leaving on Saturday, Nov. 7, numbered seven, including one lady.

## Gold Storage Valley

## "Russian Brand"

Imported and packed by ourselves.

Large Flowering. Roots long and fibrous.

Per 500 \$7.50; per 1000 \$14.00;  
per 5000 \$65.00.

Write for Our Complete  
Wholesale Catalogue.

MICHELL 108 MARKET ST.  
PHILA., PA.

WIZARD BRAND MANURE  
PULVERIZED SHEEP MANURE  
PULVERIZED HOG MANURE  
PULVERIZED CATTLE MANURE  
SHREDDED CATTLE MANURE



Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.

Best and safest manure for florists' and greenhouse use.

Absolutely Pure  
No Waste  
No Danger

Write for literature and quantity prices.

THE PULVERIZED MANURE CO.

31 Exchange Ave., Union Stock Yards, Chicago

## SHEEP MANURE

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order

ROBERT SIMPSON  
CLIFTON, N. J.

## ? IF YOU HAVE

Been waiting for a drop in

## BULBS

Here's your opportunity Right Here

	Per 100	Per 1000
CROCUS, Colors or Mxd.	.35	
TULIPS, S., Fire Flame	1.50	12.00
" Snow Bird	1.00	8.50
" M. Neil Golden	.85	7.50
Ex. Selected DAFFODILS	1.00	7.00
HYACINTHS, Nam'd & Mxd	2.50	

### W. ELLIOTT & SONS

42 VESEY STREET, NEW YORK.

## Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

### R. & J. Farquhar & Co.

6 & 7 South Market Street  
BOSTON, MASS.

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100,  
\$1.00 per 1000.

**Lettuce** Boston Market, Big Boston, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

### A. MITTING Calla Lily Bulb Co.

Santa Cruz, Calif., U.S.A.

The Northboro Dahlia and  
Gladiolus Gardens

Offer for Spring 1909

300 selected varieties of Dahlias and one and one half million large-flowering Gladioli in mixtures, in lots to suit. Send list of your wants. Catalogue free.

J. L. MOORE, Northboro, Mass.

## C. C. MORSE & CO.

48-56 JACKSON ST.,

San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

## ONION, LETTUCE, SWEET PEAS,

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## LEONARD SEED CO.

Growers and Wholesalers of Superior Garden Seeds  
FLOWER SEEDS—ONION SETS . . . GET OUR PRICES

79 East Kinzie Street  
143 West Randolph Street

### CHICAGO

## SURPLUS

### Thorburn's Bulbs

Narcissus Paper White grandiflora  
White Roman Hyacinths, 12/15 c.  
Dutch Hyacinths, double  
Lilium Harrisii 5/7  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Longiflorum Multiflorum,  
6/8 and 7/9

FLORISTS AND DEALERS SEND FOR PRICES

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

## MY OWN NEW CROP OF SALVIA SPLENDENS

VARIETIES is now ready:

Nana Compacta Zurich, finest early  
flowering pot Salvia in existence,  
selected seeds, \$4.00.

Compacta Grandiflora Fireball, best  
of all for pots and groups,  
selected seeds, \$2.50.

Grandiflora Ameliorata King of the  
Scarlets, unexcelled for late  
groups, with extra large deep  
scarlet spikes, selected seeds.

Each of above per Tr. Pkt., 50c. 6 Tr. Pkt.,  
\$2.50. Larger quantities on special quotation.

O. V. ZANGEN, Seedsman, Hoboken, N.J.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit

## Onion Seed

We are extensive growers and dealers.

Write for prices on 1908 crop.

Are also contracting now for 1909.

SCHILDER BROS., Chillicothe, O.

BRIDGEMAN'S SEED WAREHOUSE

## RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

## STOCK SEED

FOR WINTER BLOOMING

Our strain of Double Branching Stocks is exceptionally true. About 90% Double Flowers.

In colors: 1/2 oz. .60 oz. . . . \$4.00  
Pure White 1/2 " .75 " . . . . 5.00

**H. E. FISKE SEED CO.**

Faneuil Hall Square, BOSTON, MASS.

Winter-flowering

## SWEET PEA SEED

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

**READY** For Prompt

Shipment...

## FRENCH and DUTCH BULBS

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

## Cauliflowers CABBAGE

LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

WE STILL HAVE IN HAND A FEW CASES OF

## Lilium Longiflorum

JAPAN CROWN

7-9 size. 70 per cent. Single Crown.  
Prices on Application.

**THOMAS J. GREY CO.**

32 So. Market St., BOSTON, MASS.

## QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

**ARTHUR T. BODDINGTON**

342 West 14th St., New York.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists

### POINTS OF SUPERIORITY IN A DISPLAY ICEBOX.

The methods adopted by florists for the preservation of cut flowers have been many and varied. The cool cellars where flowers were usually kept in the early days of the flower trade, in time gave way to the ordinary domestic refrigerator, the latter in turn being supplanted by the more pretentious and larger box with glass doors. Today the flower box of the progressive florist is a marvel of beauty, if not in every instance an object of utility. Were half the attention paid to the matter of refrigeration as is bestowed upon outward embellishment, much might be credited to the florist's income, as faulty construction of boxes

### STEAMER DEPARTURES

#### American.

Philadelphia, N. Y.-S'h'mpton...Nov. 21  
St. Paul, N. Y.-S'h'mpton...Nov. 28

#### Atlantic Transport.

Minneapolis, N. Y.-London...Nov. 21  
Mianetanka, N. Y.-London...Nov. 28

#### Cunard.

Saxonia, Boston-Liverpool...Nov. 17  
Lusitania, N. Y.-Liverpool...Nov. 25

#### French Line.

Le Savoie, N. Y.-Havre...Nov. 19  
La Provence, N. Y.-Havre...Nov. 26

#### Leyland.

Devonian, Boston-Liverpool...Nov. 18  
North German Lloyd.

Wm. der Grosse, N. Y.-B'n...Nov. 17  
Kronpr. Cecile, N. Y.-B'n...Nov. 24

#### White Star.

Oceanic, N. Y.-S'h'mpton...Nov. 18  
Celtic, N. Y.-Liverpool...Nov. 19  
Teutonic, N. Y.-S'h'mpton...Nov. 23  
Baltic, N. Y.-Liverpool...Nov. 26

causes, in many instances, as much loss of stock as no icebox at all.

Great care should be exercised in designing a display box. A depth of three feet (approximately) from front to back—inside measurement—is ordinarily sufficient, while any height from the flooring consistent with the dimensions of the store and the owner's judgment is allowable, reserving space for the ice chamber. Between the bottom of the ice chamber and the flooring seven feet is sufficient height—inside measurement—for any display and renders the handling of vases of flowers to and from the shelves quite easy. Mince's or white paint should be used as an inside lining. The temperature of a display box should be kept at 50 to 55 deg. Sliding doors are preferable to those on hinges, as the latter are apt to settle or warp.

Electric lights should be hidden from view from without and controlled by switches on outside of box.

The temperature suggested has been found most desirable, as it does not chill the flowers, but tends to harden and fit them for service when taken from the box.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St. NEW YORK

Our Motto—The Golden Rule

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

**HOUGHTON & CLARK**

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

**THOS. F. CALVIN**

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.



# The Moore-Livingston

## "Plant Stand Brothers"



Little "Mike," smallest of the three "Plant Stand Brothers," addresses Society American Florists, with greetings to all:

"Hully Gee!" Look at me,  
I'm the "littlest" of the three.  
But with a "fetch," I can stretch  
Just my double, don't you see?  
Winners we — where'er we be  
In p ant display, o'er land and sea.  
There are two others "bigger" brothers.  
Built on lines just same as me.  
Jim's number two, Bill's number three,  
And we're hot after any job we can see,  
Holding up flower pots full of show,  
For that's what we're built for, don't you know?  
Those who have us think we're great,  
Because with the three of us they can make  
Plant stands, in inches, from six to forty-eight.

The Moore-Livingston Adjustable Plant Stand (Patented)

**WRITE FOR PARTICULARS**

**MANUFACTURED BY**

# The Moore-Livingston Co., Lansdowne, Pa.

## STRING UP

Asparagus and Smilax with

### GREEN SILKALINE

There's Nothing So Good.

**JOHN C. MEYER & CO., Boston, Mass.**

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

### JULIUS A. ZINN,

2 Beacon St., Boston.

Fine Design Work a Specialty.



**JACOB SCHULZ,** 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 964

## WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall  
Schools. **TAILBY, Wellesley, Mass.**  
Tel. Wellesley 44-1 and 2. Night 44-3.

In ordering goods, please add "I saw  
it in HORTICULTURE."

## NEW RETAIL FLOWER STORES.

Conneaut, O.—Vern Schluraff.

Portsmouth, Va.—M. Cotton, High  
St.

Sayre, Pa.—J. B. Knapp. Packer  
Ave.

Biddeford, Me.—C. S. Strout, City  
building.

Beaumont, Tex.—Chas. Chollar,  
Perlstein Bldg.

Springfield, Mass.—A. J. Johnson &  
Co., 619 Main St.

Hamilton, Ont.—McKay & Vossen,  
152 James St., N.

Baltimore, Md.—Bernheimer Bros.,  
department store.

Augusta, Me.—Augusta Flower Shop,  
G. H. Curtis, manager.

Calgary, Alb.—Campbell Floral Co.,  
8th Ave., W. B. McNaughton, man-  
ager.

Colorado Springs, Colo.—Henry  
Monaghan, N. Tejon St., Carl Hager-  
meyer, manager.

## NEWS NOTES.

Jacksonville, Fla. New refrigerator,  
wall show-cases, plant stands, etc., are  
among the improvements with which  
Mills, the Florist, will greet his cus-  
tomers this season.

St. Louis, Mo. The florists have  
adopted a scheme of sealing the ribbon  
to the box with wax and stamping  
their private mark thereto, to prevent  
any purloining of flowers in transit.

## NOTICE

We desire to notify the trade that we  
are the owners of United States patent No.  
489,218 for Floral Figure which claims:



"A florist's letter or figure  
stamped from a sheet of paste-  
board or other suitable material,  
having an adhesive coating ap-  
plied thereto and an outer cov-  
ering of granules of sawdust  
appropriately colored to rep-  
resent the petals of the Heli-  
chrysum arenarium substan-  
tially as described."

Letters which are a direct  
infringement of this pat-  
ent are being put on the market and we  
intend to hold all who make or sell the  
infringing letters to strict account.

The lawful patented goods are in every  
respect much superior to the infringement.  
**BOSTON FLORIST LETTER CO.**  
66 Pearl St. N. F. McCarthy, Mgr. Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

### H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA

### ROBERT J. DYSART,

Public Accountant and Auditor

Simple methods of correct accounting  
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 58

In ordering goods, please add "I saw  
it in HORTICULTURE."

## CHRYSANTHEMUMS

Fancy stock, \$2.00 per doz.  
Good first, \$1.00--\$1.50 per doz.

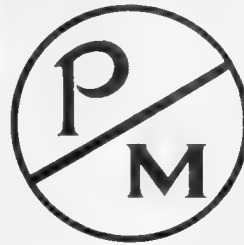
15,000 White Ivory \$5.00--\$8.00  
Per 100.

The Best Medium Size Mums on the Market.

## THE LEO NIESSEN CO.

1209 Arch Street; Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.



## Mrs. JARDINE

Choice blooms of this  
charming new rose.

\$8.00, \$6.00 and \$4.00  
Per 100

QUALITY

## S. S. PENNOCK-MEEHAN CO.

1608-1620 Ludlow St., Philadelphia

"The" Wholesale Florists of Philadelphia

## POMPONS Assorted Colors.

Indoor Stock.

## W. E. McKISSICK & BROS.

WHOLESALE FLORISTS

1619-1621 RANSTEAD ST.  
PHILADELPHIA

## CUT FLOWER BOXES

EDWARDS FOLDING BOX CO  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG

WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to  
advantage.

E. F. WINTERSON CO.

45-47-49 WABASH AVE., CHICAGO

## J. B. Murdoch & Co.

Wholesale Florists

FLORISTS' SUPPLIES

714 Penn Ave., PITTSBURG, PA.

Long Distance Phone 1435 Court.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

## WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill  
your orders to your satisfaction. A complete line of  
Hardy Greens—WILLI SMITH, BOXWOOD,  
HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw  
it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES

## LILY OF THE VALLEY, CARNATIONS

## WELCH BROS., 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 10		Nov. 9		Nov. 9		Nov. 12	
ROSES								
Am. Beauty, Fancy and Special...	25.00	to 30.00	25.00	to 30.00	20.00	to 25.00	15.00	to 25.00
"    Exura.....	20.00	to 25.00	15.00	to 25.00	15.00	to 20.00	12.00	to 15.00
"    No. 1.....	15.00	to 20.00	12.00	to 15.00	10.00	to 12.50	6.00	to 10.00
"    Lower grades.....	0.00	to 15.00	6.00	to 12.00	6.00	to 8.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special.....	6.00	to 8.00	5.00	to 7.00	6.00	to 8.00	2.00	to 6.00
"    Lower grades.....	3.00	to 6.00	3.00	to 5.00	3.00	to 4.00	.50	to 1.00
Killarney, Fan, & Sp.....	6.00	to 8.00	6.00	to 10.00	6.00	to 8.00	2.00	to 6.00
"    Lower grades.....	2.00	to 6.00	4.00	to 6.00	3.00	to 4.00	.50	to 1.00
Richmond, Fancy & Special.....	6.00	to 8.00	3.00	to 6.00	6.00	to 8.00	2.00	to 6.00
"    Lower grades.....	3.00	to 6.00	2.00	to 4.00	3.00	to 4.00	1.00	to 2.00
Chatenay.....	3.00	to 6.00	4.00	to 7.00	3.00	to 6.00	1.00	to 6.00
Golden Gate Ivory, etc.....	3.00	to 6.00	4.00	to 7.00	3.00	to 6.00	.50	to 6.00
My Maryland.....	3.00	to 8.00	.....	.....	5.00	to 8.00	1.00	to 6.00
Queen Beatrice.....	3.00	to 8.00	.....	.....	3.00	to 8.00	1.00	to 6.00
Mrs. Mar. Field.....	4.00	to 12.00	.....	.....	.....	.....	.....	.....
CARNATIONS								
Fancy and Novelties.....	3.00	to 4.00	2.00	to 4.00	2.50	to 3.00	1.00	to 2.00
Ordinary.....	1.00	to 3.00	1.50	to 2.00	1.50	to 2.00	.75	to 1.00
MISCELLANEOUS								
Chrysanthemums, Fancy.....	20.00	to 25.00	18.00	to 25.00	15.00	to 25.00	8.00	to 16.00
"    Ordinary.....	10.00	to 12.00	8.00	to 15.00	10.00	to 12.50	4.00	to 6.00
Cattleyas.....	40.00	to 50.00	40.00	to 50.00	50.00	to 60.00	30.00	to 50.00
Lilies.....	6.00	to 10.00	6.00	to 15.00	10.00	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 3.00
Narcis, Paper White.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Roman Hyacinth.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Peas.....	.50	to 1.00	.50	to 1.00	.50	to .75	.75	to 1.00
Gardenias.....	40.00	to 50.00	40.00	to 50.00	.....	to 50.00	.....	.....
Violets.....	.50	to .75	.50	to .75	.75	to 1.00	.50	to 1.00
Adonis.....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 2.50
Smilax.....	10.00	to 18.00	10.00	to 15.00	10.00	to 12.50	10.00	to 12.50
Asparagus Plumosus, strings.....	35.00	to 40.00	35.00	to 50.00	25.00	to 50.00	25.00	to 50.00
"    "    & Spen. (100 bchs.).....	15.00	to 20.00	35.00	to 50.00	25.00	to 50.00	15.00	to 25.00

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS



## HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax,  
Green, 50c.; Leucothoe Sprays (green only), \$2.00;  
Ferns, Dagger and Fancy, 75c. Special prices on lots  
of 100,000 and up. Terms, strictly cash, F. O. B. Elk  
Park, N. C.

NORTH CAROLINA EVERGREEN CO.  
Banner Elk, N. C.

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Flower Market Reports.

**BALTIMORE** Business is feeling the impulse given by the more settled financial condition of the marts of commerce and trade since the presidential election. Some improvement is noticeable. Stock of all kinds is fully equal to the demand and as things in general assume the normal condition it is expected that business will continue to improve.

**BOSTON** The only marked change in flower market conditions this week is the advance in price of violets, which has been practically doubled. In other material prices remain stationary and no advancement is looked for until the latter part of next week, when Thanksgiving Day influences may be expected to operate. All flowers are very much improved in quality and winter grades are beginning to materialize on roses, carnations and other staples. The mid-season chrysanthemums are already commencing to weaken and the late sorts are in sight.

**BUFFALO** This is the season of the chrysanthemum and one is sure to be greeted on all sides by this flower, in all its gorgeous, flaunting hues. At the wholesalers they were seen in good quantities and qualities, varying in size from an aster to the largest variety. Good stock is moved quite freely but the small stuff needs a good deal of force. Carnations were in over-supply, in fact too plentiful for comfort. The bright weather of a week ago brought them in too fast and there being no demand they simply have been carried along from day to day awaiting an outlet; the same may be said of lily of the valley, which also is good but finds little or no demand. Violets are coming in good and the demand increasing. Beauties and teas are in heavy supply. Narcissi and sweet peas have made their appearance. The social calendar is filled with coming-out parties, teas, etc., and there should be a good awakening soon to put the market back into condition.

**CHICAGO** Mild, clear weather has given the Chicago market plenty of first-class stock. Chrysanthemums are still at their very best and though the season for this flower has not been up to the expectations of the growers financially, it is a success as to the quality and number of the blooms. Roses and carnations also are good in quality, the latter remarkably so for the season. Trade started in well on Monday but it dropped off and the middle of the week was rather dull, brightening up again towards the end. The market is made particularly lively by the Flower Show visitors who are hunting up their friends and enjoying the hearty handshake that brings back other days. A large proportion of the callers are eastern men.

**DETROIT** Business is improving steadily but slowly. The shortage of violets is felt very badly; other flowers sell at usual prices with no waste visible. In general, conditions are up to last year less some of the fancy work like large decorations or store openings.

## WHOLESALE FLOWER MARKETS.

	CINCINNATI Nov. 1		DETROIT Nov. 8		BUFFALO Nov. 9		PITTSBURG Nov. 9	
<b>ROSES</b>								
Am. Beauty, Fan, and Sp.	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
"    Extra	15.00	to 20.00	18.00	to 20.00	15.00	to 20.00	15.00	to 20.00
"    No. 1	8.00	to 12.00	12.00	to 18.00	8.00	to 15.00	6.00	to 8.00
"    Lower grades	2.00	to 4.00	6.00	to 8.00	3.00	to 8.00	2.00	to 3.00
Bride, 'Maid, F. & S.	3.00	to 5.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
"    Low. gr.	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Killarney, Fan, & Sp.	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
"    Lower grades	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Richmond, Fancy & Special	4.00	to 6.00	6.00	to 8.00	6.00	to 7.00	6.00	to 8.00
"    Lower grades	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Chatenay	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Golden Gate, Ivory, etc.	1.00	to 4.00	3.00	to 8.00	2.00	to 5.00	2.00	to 5.00
My Maryland	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Queen Beatrice	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
Mrs. Mar. Field	1.00	to 2.00	3.00	to 6.00	2.00	to 4.00	2.00	to 4.00
<b>CARNATIONS</b>								
Fancy and Novelties	1.50	to 2.00	2.00	to 2.50	1.50	to 2.00	1.50	to 2.00
Ordinary	.50	to 1.00	1.00	to 2.00	1.00	to 1.50	.75	to 1.00
<b>MISCELLANEOUS</b>								
Chrysanthemums, Fancy	15.00	to 25.00	18.00	to 25.00	12.00	to 15.00	15.00	to 20.00
"    Ordinary	6.00	to 10.00	5.00	to 15.00	5.00	to 7.00	3.00	to 8.00
Cattleyas	30.00	to 40.00	20.00	to 35.00	40.00	to 50.00	40.00	to 50.00
Lilies	3.00	to 8.00	12.50	to 15.00	3.00	to 12.00	10.00	to 15.00
Lily of the Valley	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Narciss., Paper White	1.00	to 3.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Roman Hyacinth	1.00	to 3.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Sweet Peas	1.00	to 3.00	1.00	to 1.00	.50	to 1.00	.25	to .75
Gardenias	1.00	to 3.00	1.00	to 1.00	.50	to 1.00	.25	to .75
Violets	.35	to .50	.50	to .75	.40	to .60	.25	to .75
Adiantum	1.00	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax	10.00	to 12.00	15.00	to 15.00	12.00	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings	10.00	to 50.00	35.00	to 50.00	40.00	to 50.00	30.00	to 50.00
"    "    & Spreng. (100 bchs.)	10.00	to 25.00	10.00	to 50.00	25.00	to 30.00	25.00	to 35.00

**INDIANAPOLIS** The retailers all report a decidedly dull week. There was little demand for stock of any kind. Flowers of all kinds are plentiful; chrysanthemums, of course, have the lead, and there are many fancy sorts on the market. Roses are of good quality, American Beauty having probably the best demand. Carnations are fine, with a slight advance in price. Lilies are about equal to demand. Violets are improving. Fancy lily of the valley is in good supply, with fairly good demand. Some nice cattleyas are seen and sell readily. The plant market is supplied with well-grown material. Greens are in plenty, with demand just fair.

**PHILADELPHIA** With the exception of election day, business the past week kept up the improvement noted in last report. By Saturday all stock was well cleared out, and, while there was no advance, quotations held firm. The jump is coming, sure. All it needs now is a little backbone to set the ball a-rolling. Conditions are right; roses in general were equal to all demands, but not over plentiful. Chrysanthemums are of course very abundant and prices rule low. Indoor pompons have a purity and finish not possible with outdoor stock and have the call. Carnations have slackened up a little with a consequent stiffening in prices. Orchids remain normal, with supply much shortened. Violets are scarcer, and regular channels have taken all arrivals, so that there have been but few seen on the street lately. Demand for lily of the valley considerably improved. In the greens market there is plenty of everything at normal prices, and quality excellent.

**WASHINGTON** It is refreshing in the extreme to be able to report that the flower business has been more active during the past week than at any time since before summer. All flowers, particularly carnations, are greatly improved in quality; violets have taken on a regular winter tint, and the stem, especially of the Californias, is all that the most critical can desire. Chrysanthemums are everywhere in the greatest profusion and splendor, but the demand keeps fair pace with the output.

### OBITUARY.

#### Andrew Groll.

Andrew Groll, one of the oldest florists in the East Williamsburgh cemetery section of Brooklyn, N. Y., died on October 30, after a brief illness. His wife had been an invalid for nearly eight months. After making all arrangements for her husband's funeral, she failed rapidly and in a few hours expired. Mr. Groll was 63 years old.

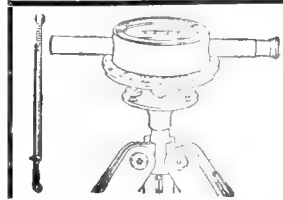
#### James Lowe.

James Lowe, a well known gardener about 71 years of age, died suddenly at his home in New Bedford, Mass., on November 6.

#### W. Greiner.

W. Greiner, a florist of Bridgeport, O., was instantly killed in a runaway accident on November 6.

**Lynn, Mass.**—John Abendroth was fined \$200 in the police court last Tuesday for stealing floral designs from graves in Pine Grove Cemetery. His object was to get the wire frames which he afterwards sold to small florists. This revolting pilfering had been going on for about a year.



### EVERYBODY KNOWS

Park, Cemetery and Landscape Gardening cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are conceded by all who KNOW to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee is that of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make. Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3570 or 3571 Madison Square

**H. E. FROMENT,**

Wholesale Commission Florist,  
 Choice Cut Flowers,  
 57 West 28th St., :: NEW YORK.  
 Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**

All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephones 4626-4627 Madison Square

**Edward C. Horan**  
**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**FRANK MILLANG**

**Wholesale Florist**  
 55-57 West 26th St., NEW YORK  
 Shipments, any quantity, Wholesale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns  
**GEORGE SALT FORD**  
 43 W. 28th Street, NEW YORK  
 Telephone, 3393 Madison Sq.

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**  
 55-57 W. 26 St., New York

**Moore, Hentz & Nash,**  
 Wholesale Commission Florists,

55 and 57 West 26th Street,  
 Telephone No. 756  
 Madison Square. New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS  
 41 West 28th Street

Telephones 3560 Madison NEW YORK

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**  
 Palms, Large and Small Ferns, etc.  
 53 West 30th Street, NEW YORK  
 Telephone 2083 Madison

**JOHN I. RAYNOR**

**Wholesale Commission Florist** SELLING AGENT FOR LARGEST GROWERS  
 A full line of Choice Cut Flower stock for all purposes. Comprises every variety grown for New York market, at current prices  
 TEL. 1998 MADISON SQUARE 49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York  
 Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND  
 GARDENIAS, DAISIES, ROSES AND CARNATIONS  
**JAMES McMANUS,** Telephone 759 Madison Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.  
**Finest Lilies in the Market Every Day in the Year.**

55 & 57 W. 26th St., New York City  
 Commission Dealer, Wholesale Buyer and Seller of

**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	Last Half of Week ending Nov. 7 1908	First Half of Week beginning Nov. 9 1908
American Beauty, Fancy and Special	12.00 to 25.00	15.00 to 30.00
“ “ Extra	4.00 to 10.00	10.00 to 12.00
“ “ No. 1	5.00 to 6.00	8.00 to 10.00
“ “ Lower Grades	1.00 to 2.00	1.00 to 3.00
Bride, Field, Fancy and Special	3.00 to 5.00	4.00 to 6.00
“ “ Lower Grades	.50 to 1.00	.50 to 2.00
Killarney, Fancy and Special	3.00 to 5.00	5.00 to 8.00
“ “ Lower Grades	.50 to 1.00	1.00 to 3.00
Richmond, Fancy and Special	5.00 to 8.00	5.00 to 8.00
“ “ Lower Grades	1.00 to 3.00	1.00 to 3.00
Chatenay	1.00 to 8.00	1.00 to 8.00
My Maryland	1.00 to 8.00	1.00 to 8.00
Golden Gate, Ivory, etc.	1.00 to 5.00	1.00 to 5.00

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
 PHONES. 1664-1665 MADISON SQUARE  
**ENOUGH SAID**

**TRAENDLY & SCHENCK**

Wholesale Florists

**Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.**

CUT FLOWERS AT WHOLESALE

**VIOLETS, CARNATIONS, ROSES**  
**ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited Shipments to Order, any Distance

39 West 28th Street,

Telephone 1998 Madison Square

J. J. COAN, Manager

NEW YORK



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**WHOLESALE FLORISTS**  
54 West 28th St.  
NEW YORK  
Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

**RECEIVERS & SHIPPERS OF CUT FLOWERS.**  
CONSIGNMENTS SOLICITED.

**JOHN YOUNG**  
**WHOLESALE FLORIST**

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**Greater New York Florists' Association, Inc.**

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

**WEIGEL & UJFALUSSY**

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St., New York City  
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalog will be made up promptly on short notice.

**THE KERVAN CO.**

Wholesale Dealers and Shippers of

**Decorative Evergreens**

Ferns, Galax, Laurel, Fresh Cycas, Boxwood, Sphagnum and all Christmas Greens  
Send to us for Quotations before Buying

113 West 28 Street, NEW YORK CITY

**Holly — Green Sheet Moss — Laurel**

Fancy Holly, short and long branches, \$3.00 case

Laurel Branches for Decorating, 2.50

Laurel for Wreaths and Roping, 1.00 bag.

Green Sheet or Log Moss, large pieces, 1.25 bbl.

For Cash 5 Cases Holly and 5 bbls. Moss, \$18.00

Cash or satisfactory reference with first order.

W. Z. PURNELL, - Snow Hill, Md.

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**E. A. BEAVEN**

**Southern Wild Smilax,  
Log Mosses,**

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

**MISTLETOE**

**WHOLESALE ONLY**

Twelve years' experience in gathering and shipping Mistletoe. Crop will be about fifty-five thousand pounds. Dates of shipments guaranteed. Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

**NEW YORK QUOTATIONS PER 100. To Dealers Only**

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Nov. 7 1908		First Half of Week beginning Nov. 9 1908	
Carnations, Fancy and Novelties.....	1.00	to 3.00	2.00	to 3.00
" Ordinary.....	.75	to 1.00	.75	to 1.00
Chrysanthemums, Fancy.....	8.00	to 15.00	12.00	to 25.00
" Ordinary.....	4.00	to 8.00	4.00	to 8.00
Cattleyas.....	20.00	to 25.00	10.00	to 50.00
Lilies.....	4.00	to 6.00	6.00	to 8.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 3.00
Narciss., Paper White.....	2.00	to 3.00	2.00	to 3.00
Roman Hyacinth.....	.....	.....	.....	.....
Sweet Peas.....	.75	to 1.00	.75	to 1.00
Gardenias.....	12.00	to 25.00	20.00	to 35.00
Violets.....	.25	to .50	.50	to .75
Adiantum.....	50	to .75	.50	to .75
Smilax.....	8.00	to 10.00	6.00	to 12.00
Asparagus Plumosus, strings.....	15.00	to 35.00	15.00	to 35.00
" & Spon. (too bchs.).....	.....	.....	15.00	to 25.00

### NEW YORK FLOWER MARKET.

The market is still dominated by chrysanthemums, the better grades and varieties having displaced the smaller kinds. Bridesmaids and Brides are in light supply. Other roses being somewhat more plentiful. There are plenty of carnations and a great difference in quality is apparent. The weather has left its impress on them—stems of Enchantress weak with some growers, and sleepy flowers. They are not selling well and probably will not until the bulk of the chrysanthemums are out of the way. Business in general is sluggish, demand running mostly to Beauties, cattleyas, gardenias and chrysanthemums. Roses are quoted at somewhat higher figures than a week ago, but averages are about the same, owing to the lack of snap to demand. Violets are going at a slightly better price this week. Lily of the valley in lighter supply at present with price stronger. Cattleyas

have slowed up considerably in the past week.

### BUSINESS CHANGES.

Philadelphia, Pa.—Frank Palmer has left M. Heron and taken a position as manager of J. Becker's store at Market and 52nd streets.

New York, N. Y.—O. V. Zangen has removed his wholesale cut flower business to 52 West 28th street, New York, and appointed R. Gretsche as manager. He will continue to give his personal attention to the seed business at Hoboken, N. J.

### GALAX. Green and Bronze

1 bush from the Woods, Green prompt shipment, 40c. 1000; Bronze Galax ready about Nov. 25th, 40c. 1000. Holly (with berries) \$2.50 case. Mountain Laurel Leaves, \$2.00 case. Terms—strictly Cash. Shipments North made from Galax, Va. Express and freight rates less than from N. C. points. We are experienced packers and guarantee satisfaction. Look us up in Dan or Bradstreet.

W. M. WOODRUFF & SON, LOW GAP, N. C.



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
Araucaria Excelsa.

For page see List of Advertisers.

## ARGENTEUIL ASPARAGUS.

Asparagus roots. Argenteuil, raised on new land; good plants, 100—\$1.50. Robert A. Mitchell, Manchester-by-the-Sea, Mass.

## ASPARAGUS

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
Plumosos Robustus Seeds.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Asparagus Plumosos Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New York.

## AUCUBAS

Henry A. Dreer, 714 Chestnut St., Phila.

For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

For page see List of Advertisers.

## BAY TREES.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees of all sizes. Pyramidal and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

Henry A. Dreer, 714 Chestnut St., Phila.

For page see List of Advertisers.

## BEGONIAS

Begonia. Fine Begonia. Strong plants from leaf cuttings 2 1/2 in. pots, \$12.00 per 100. \$7.50 per 100. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. Made for greenhouses. Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Phila.

For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Rickard Bros., 37 East 19th St., New York

For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

For page see List of Advertisers.

Lilium Longiflorum, Japan Grown

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., N. Y.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on Hudson, New York.

For page see List of Advertisers.

Lilies, Freesias, Hyacinths, Narcissus, Tulips.

For page see List of Advertisers.

Ralph M. Ward & Co., 12 West Broadway, New York.

For page see List of Advertisers.

Lilium Giganteum.

For page see List of Advertisers.

To Exchange 750 Tulips and other Dutch Bulbs for standard named Gladiolus Bulbs. L. Merton Gage, Orange, Mass.

## CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

For page see List of Advertisers.

Andrew Carnegie and Hallowarden.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

For page see List of Advertisers.

Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

For page see List of Advertisers.

Carnation O. P. Bassett.

For page see List of Advertisers.

Charles Knopf Floral Co., Richmond, Ind.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

## CHRYSANTHEMUMS—Continued

Stock plants of Polly Rose, October Frost, Tonsset, Ivory, Wanemaker, ready, \$3 per 100; Beatrice May, Virginia Poehlmann, Alice Roosevelt, Miriam Hunker, Intensity, Mad Rosette, White and Yellow Bonnafon, \$4 per 100. Cash. Harlowarden Greenhouses, Greenport, N. Y.

Chrysanthemum Golden Glow from 2 1/4 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucey Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Pelree Bros., Waltham, Mass.

Chrysanthemums, stock plants of new English singles. Popular everywhere as pot plants and cut flowers. Ladysmith, deep pink; Mary Anderson, blush; Nancy Perkins, best white; Gertrude, large white; Annie Holden, yellow. Stock limited. Get your order and cash in early. Per doz. \$1.50; fifty, 10 each of above five kinds, \$5. Cash. F. W. Fletcher Co., Boston, Mass., Auburndale Station.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.

For page see List of Advertisers.

Cyclamen, finest Giant strain, separate colors, strong, from 2 in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

Central Seed & Bulb Co., 121-3, Kinzie St., New Dahlias.

For page see List of Advertisers.

Clifford W. Bruton, the best yellow that grows. Extra strong bulbs, true to name, \$5.00 per 100. Stock limited. Half dozen of Groff's hybrid gladiolus free with every 100 dahlias. Cash with order. Ralph Horner, Mt. Holly, N. J.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Joseph Hancock Co., Wyncote, Pa.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

A. Schulteis, College Point, N. Y.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.

For page see List of Advertisers.

**For List of Advertisers See Page 661**

**EVERGREENS**

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

American Nursery Co., 150 Broadway,  
New York, N. Y.

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechslin, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Cibotium Schiedei.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago, Ill.

For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Robert Simpson, Clifton, N. J.

Sheep Manure.

For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Phila.  
Sheep Manure.

For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's, 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 23th St., New York.

For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Houghton & Clark, 306 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMinkin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St.,  
Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 426-28 Olive St.,  
St. Louis, Mo.

For page see List of Advertisers.

E. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

M. Bowe, 1294 Broadway, New York.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**FLOWERING AND FOLIAGE  
PLANTS**

A. Schultheis, College Point, N. Y.

For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Whilldin Pottery Co., Philadelphia.

Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.

Zanesville, O.

**FORCING RHUBARB AND  
ASPARAGUS**

Warren Shinn's Nursery Stock, Woods-  
town, N. J.

For page see List of Advertisers.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 West 28th St., N. Y.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Place, Boston.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.

New and Standard Varieties.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston

For page see List of Advertisers.

Standard Plate Glass Co., 2430 Sudbury  
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

**GLASS—Continued**

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING DEVICES**

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.

Peerless Glass Repair Clamp.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATE-  
RIAL**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hail Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS, MOSS AND  
GREENS**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange.

38 and 40 Broadway, Detroit, Mich.

Fancy Ferns.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HARDY FERNS, MOSS AND GREENS—Continued**

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.  
G. J. Walker, Savoy Centre, Mass.  
Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.  
E. A. Reaven, Evergreen, Ala.  
For page see List of Advertisers.  
W. M. Woodruff & Son., Lowgap, N. C.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
John A. Payne, 260 274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.  
Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.  
New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.  
The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.  
Sweet Williams, Canterbury Bells, Vinca Minor, Also Pansies, Robert A. Mitchell, Manchester-by-the-Sea, Mass.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.  
Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.  
Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.  
Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand, Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotinic kills all greenhouse pests.  
P. R. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.  
Stump & Walter Co., 50 Barclay St., New York.  
Kilmead Tobacco Dust.  
For page see List of Advertisers.  
"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.  
FOR SALE—Tobacco dust, 140 pounds in sacks, \$3.00, in case lots, about 350 pounds, 2c. per pound. Tobacco stems, in bales, \$2.00; about 400 pounds. Cash with order. S. R. Levy, Binghamton, N. Y.

**IRIS**

F. R. Pierson Co., Tarrytown-on-Hudson, New York.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschm. Co.,  
1012 W. Ontario St., Chicago, Pa.  
For page see List of Advertisers.  
A. J. C. & Co., R. 2, Libe, Mass.  
For page see List of Advertisers.  
Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Rostrom-Brady Mfg. Co., 139 Madison Ave., Atlanta, Ga.  
For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Storingade, Copenhagen, Denmark.  
For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in. pots, \$2.00 per 100. E. O. Perry, Berlin, Mass.

**MISTLETOE**

F. Cecil Barker & Co., Las Cruces, N. Mex.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.  
Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.  
Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.  
P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.  
For page see List of Advertisers.  
Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.  
For page see List of Advertisers.  
D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.  
Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.  
J. H. Troy, 24 E. 31th St., New York.  
Linden Trees, Wanted  
For page see List of Advertisers.  
Samuel C. Moon, Morrisville Nurseries, Morrisville, Pa.  
Norway and Sugar Maples.  
American Nursery Co., 150 Broadway, New York, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS, ELLWANGER & BARRY, Rochester, N. Y.

**ORANGE TREES**

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hummel, Summit, N. J.  
For page see List of Advertisers.  
Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists.  
For page see List of Advertisers.

**ORCHID PLANTS—Continued**

Carrillo & Baldwin, Syracuse, N. Y.  
For page see List of Advertisers.  
Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.  
Ordonez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.  
Largest stock in the country. Ask for prices. Julius Roebros, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.  
Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.  
For page see List of Advertisers.

**PANSY PLANTS.**

Augustus Zirniglebel, Needham, Mass.  
For page see List of Advertisers.  
Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.  
Pansies, Daisies, Forget-me-nots, strong plants of the best quality, mixed or in separate colors, \$2.50 per 1000. Gustave Freytag, Florist, West Orange, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAS**

Leonard Seed Co., Chicago, Ill.  
Alaska and Horsford Pea Deliveries.

**PEAT**

Wm. Mathews, Utica, N. Y.  
Orchid Peat.  
For page see List of Advertisers.  
J. A. Manda, 191 Valley Rd., W. Orange, New Jersey  
For page see List of Advertisers.  
Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.  
One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**PLANT TUBS**

Henry A. Dreer, 714 Chestnut St., Phila.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**For List of Advertisers See Page 661**

**PRIVET**

800,000 Cal. Privet, 2 years old, 2½ to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

- Park Floral Co.**, Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co.**, 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co.**, Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth**, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth**, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co.**, 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Scholz**, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin**, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn**, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Houghton & Clark**, 398 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulkin**, 194 Boylston St., Boston.  
For page see List of Advertisers.
- Hoffman, Florist**, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.
- J. Breitmeyer's Sons**, Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray**, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co.**, 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber**, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres**, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons**, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell**, New York.  
For page see List of Advertisers.
- Robert G. Wilson**, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent**, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- M. Bowe**, 1294 Broadway, New York.  
For page see List of Advertisers.
- J. H. Dunlop**, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

**John Waterer & Sons, Ltd.**,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

**P. Ouwerkerk**, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

- Robert Craig Co.**, Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- Dingee-Conard Co.**, West Grove, Pa.  
For page see List of Advertisers.
- The E. G. Hill Co.**, Richmond, Ind.  
For page see List of Advertisers.
- P. Ouwerkerk**, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- Wood Bros.**, Fishkill, N. Y.  
For page see List of Advertisers.
- Julius Roehrs Co.**, Rutherford, N. J.  
Rose Newport Fairy.  
For page see List of Advertisers.

**ROSES - Continued**

**Carlman Ribsam**, Trenton, N. J.  
For page see List of Advertisers.

**Low-budded roses**, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

**Roses**, strong, own root, 4 inch Chateau, Killarney, Richmond and Maid, \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

**Hand Book of Cultural Notes on Roses Under Glass**, by E. P. Brigham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**SCALECIDE**

**B. G. Pratt Co.**, 50 Church St., New York.  
For page see List of Advertisers.

**SEED GROWERS**

- C. C. Morse & Co.**, 48 56 Jackson St., San Francisco, Cal.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co.**,  
Cauliflower and Cabbage Seed.  
12 Stormgade, Copenhagen, Denmark.  
For page see List of Advertisers.

**SEEDS**

- 1. J. Gray Co.**, 32 So. Market St., Boston.  
For page see List of Advertisers.
- Joseph Breck & Sons**,  
51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Atlee Burpee & Co.**, Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co.**, 33 Barclay St., N. Y.  
For page see List of Advertisers.
- Arthur T. Boddington**, 342 W. 14th St., New York.  
For page see List of Advertisers.
- H. F. Mitchell Co.**, 1017 Market St., Phila.  
Cyclamen Seed.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co.**,  
12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Richards Bros.**, 87 E. 19th St., New York.  
For page see List of Advertisers.
- R. & J. Farquhar & Co.**, 6-7 So. Market St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.
- H. E. Fliske Seed Co.**, Faneuil Hall Sq., Boston.  
For page see List of Advertisers.
- O. V. Zangen**, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.
- C. C. Morse & Co.**, 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.
- Leonard Seed Co.**, Chicago, Ill.  
For page see List of Advertisers.
- Seeds**, Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

**The Geo. Wittbold Co.**, 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SILKALINE**

**John C. Meyer & Co.**, Boston, Mass.  
For page see List of Advertisers.

**SMILAX**

**Smilax**, strong, bushy plants, 2½ in. pots, \$2.00 per 100. D. H. Ruthrauff, Seneca Falls, N. Y.

**SPHAGNUM MOSS**

**Live Sphagnum moss**, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

**SPRAYERS**

**"SHOWERMAKER,"** \$1. Jos Kopcsay, So. Bend, Ind.  
For page see List of Advertisers.

**STEAM TRAP**

**E. Hippard**, Youngstown, O.

**SWEET PEAS**

**A. C. Zvolanek**, Pound Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

**E. H. Hunt**, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VEGETABLE SEED**

**R. Vincent, Jr. & Sons Co.**, White Marsh, Maryland.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

**Pierson U-Bar Co.**, 1 Madison Sq., N. Y.  
For page see List of Advertisers.

**Foley Mfg. Co.**, Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

**John A. Payne**, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

**The Advance Co.**, Richmond, Ind.  
For page see List of Advertisers.

**Quaker City Machine Co.**, Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

**VENTILATING MACHINERY**, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

**VINCAS**

**H. T. & A. H. Funnell**, Huntington, N. Y.  
Vinea Variegata.  
For page see List of Advertisers.

**WIRED TOOTHPICKS**

**W. J. Cowee**, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

- Reed & Keller**, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Welgel & Uffalussy**, 136-138 W. 28th St., New York.  
Florists' Wire Designs and Supplies.  
For page see List of Advertisers.
- Wirework**. Write for our catalogue. Holton & Hunke Co., Milwaukee, Wis.
- William E. Hellscher's Wire Works**, 88-40 Broadway, Detroit, Mich.
- Headquarters for wire work**. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.
- Wirework—Compare our prices with others**. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS  
Boston**

- N. F. McCarthy & Co.**, 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co.**, 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros.**, 226 Devonshire St., Boston.  
For page see List of Advertisers.

**Chicago**

- Chas. W. McKellar**, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg**, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co.**, 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Rudlong**, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.
- Poehlmann Bros. Co.**, Morton Grove, Ill.  
For page see List of Advertisers.

**Cromwell, Conn.**

**A. N. Pierson**, Cromwell, Conn.  
For page see List of Advertisers.

**Detroit**

**Michigan Cut Flower Exchange**, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers

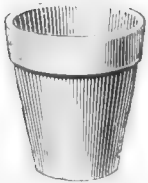
**Minneapolis**

**Rice Bros.**, 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

**New York**

**Ford Bros.**, 48 W. 28th St., New York.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— New York—Continued

- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Rayner, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association,  
162 Livingston St., Brooklyn, N. Y.,  
For page see List of Advertisers.
- George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.
- Frank Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- B. S. Slinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.

### Philadelphia

- W. E. McKissick, 1619-1621 Ransdell St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### Pittsburg

- J. B. Murdoch & Co., 714 Penn Ave., Pittsburg, Pa.  
For page see List of Advertisers.

### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- L. A. Bennett, Florist, Ala.  
South Wild Smilax, 100 Mosses.  
For page see List of Advertisers.

## "SCALECIDE"

TRADE MARK REG. U. S. PAT. OFF.

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than lime sulphur. Not an experiment. Write for FREE sample and endorsement of fruit growers and entomologists who have used it for years. Prices: 50-gal. bbl., \$25.00; 30-gal. tin, \$15.00; 10-gal. can \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00, f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water. "Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper."

B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.

### New Offers in This Issue.

#### BULBS.

The F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.  
For page see List of Advertisers.

#### CALLAS.

Edmund Boardman, Cambridge, Mass.  
For page see List of Advertisers.

#### CATTLEYA PERCIVALLIANA.

Ordenez Bros., Madison, N. J.  
For page see List of Advertisers.

#### COLD STORAGE VALLEY.

H. F. Mitchell Co., 1018 Market St., Phila.  
For page see List of Advertisers.

#### DAHLIAS: GLADIOLI.

J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.

#### DAHLIA MISS VIRGINIA MAULE.

Peacock Dahlia Farms, Williamstown Junction, N. J.  
For page see List of Advertisers.

#### GREENHOUSE CONSTRUCTION.

Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.

#### HOLLY, GREEN SHEET MOSS, LAUREL.

W. Z. Purnell, Snow Hill, Md.  
For page see List of Advertisers.

#### HYDRANGEA ARBORESCENS GRANDIFLORA.

Thos. A. McBeth, Springfield, O.  
For page see List of Advertisers.

#### NEW FORCING ROSE WHITE KIL-LARNEY.

Waban Rose Conservatories, Natick, Mass., and 3A Somerset St., Boston.  
For page see List of Advertisers.

#### ONION SEED.

Schilder Bros., Chillicothe, O.  
For page see List of Advertisers.

#### ORCHIDS FRESHLY IMPORTED.

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

#### RETAIL FLORIST.

Tailby, Wellesley, Mass.  
For page see List of Advertisers.

#### U-N-IT GLOBE SPRAYER.

J. F. Cass Mfg. Co., Detroit, Mich.  
Dept. H.  
For page see List of Advertisers.

## Standard Flower . . POTS

If your greenhouses are within 300 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th and M Street WASHINGTON D. C.

### USEFUL BOOKS.

Roses and How to Grow Them. By Many Experts. Price, \$1.10.

The New Cyclopaedia of American Horticulture. L. H. Bailey. Four volumes; \$20.00.

How to Make School Gardens. H. D. Hemenway. Price, \$1.10.

How to Make A Fruit Garden. S. W. Fletcher. Price, \$2.20.

How to Plan the Home Grounds. S. Parsons, Jr. Price, \$1.10.

How to Make a Vegetable Garden. Edith L. Fullerton. Price, \$2.20.

The Art of Landscape Gardening. By Humphrey Repton. Price, \$3.22.

We can supply the following books, postpaid, at the prices listed:—

Boston.—The Boston Co-operative Flower Market held its annual meeting on Saturday, November 7, and elected officers as follows: President, Elijah Cartwright; clerk, John McFarland; treasurer, D. Carmichael; directors, James Quinn, Robert Montgomery, Norris F. Conley, Edward Wood, A. Roper and L. F. Small.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

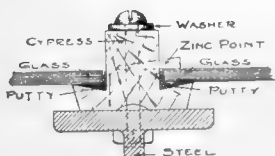
Price per crate	Price per crate
2500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 2 1/2 " " " 5.25	60 8 " " " 3.00
1500 3 " " " 6.00	
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
300 5 " " " 4.51	24 11 " " " 4.80
144 6 " " " 3.16	12 12 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Reiker & Sons, Agts., 31 Barclay St., N. Y. City.



## List of Advertisers

Page	Page
Advance, The Co. .... 603	McManus Jas. .... 654
American Nursery .... 647	Meyer J. C. & Co. .... 651
Aschmann Godfrey .... 632	Michell H. F. Co. .... 661
Atlanta Floral Co. .... 650	Michigan Cut Flower Exchange .... 655
Barker F. Cecil & Co. .... 635	Millang Bros. .... 654
Bambrick Thos. H. .... 661	Millang Frank .... 654
Barrows H. H. & Son. .... 632	Mitting, A. .... 649
Bassett & Washburn. .... 630	Moninger J. C. .... 662
Bayersdorfer H. & Co. .... 651	Moore, J. L. .... 649
Beaven E. A. .... 655	Moore, Hentz & Nash. .... 654
Berning H. G. .... 655	Moore-Livingston Co. .... 651
Bobbin & Atkins .... 647	Morse C. C. & Co. .... 649
Boddington A. T. .... 649	Murdoch J. B. & Co. .... 652
Boston Florist Letter Co. .... 651	Murray Samuel .... 650
Boston Plate and Window Glass Co. .... 662	New England Nurseries .... 647
Bostrom-Brady Mfg. Co. .... 653	Niessen Leo Co. .... 652
Bowe, M. A. .... 650	North Carolina Evergreen Co. .... 652
Breck Joseph & Sons. .... 649	Oechsli Fraak .... 632
Brettmeyer's J. Sons. .... 650	Ordenez Bros. .... 631
Bridgeman's Seed Warehouse .... 649	Ouwkerk P. .... 647
Budlong J. A. .... 652	Palethorpe P. R. Co. .... 661
Burpee W. A. & Co. .... 649	Park Floral Co. .... 650
Carrillo & Baldwin .... 631	Payne John A. .... 661
Cass J. F. Mfg. Co. .... 661	Peacock Dahlia Farms. .... 647
Chicago Carnation Co. .... 630	Pennock-Meehan Co. .... 652
Clarke's David, Sons. .... 650	Perkins St. Nurseries. .... 632
Cleary's Horticultural Co. .... 647	Pierson, A. N. .... 632
Cotsonas Geo. & Co. .... 655	Pierson F. R. Co. .... 645
Cowee W. J. .... 655	Pierson U Bar Co. .... 664
Craig, Robt Co. .... 630	Poehlmann Bros. Co. .... 652
Crawback Geo. W. .... 655	Pratt B. G. Co. .... 660
Dingee & Conard Co. .... 630	Pulverized Manure Co. .... 648
Doane Geo. B. & Son. .... 663	Purnell W. C. .... 655
Dorner F. Sons & Co. .... 630	Quaker City Machine Co. .... 662
Dreer H. A. .... 632	Raynor John I. .... 654
Dunlop John H. .... 650	Reardon Edmund. .... 631
Dysart R. J. .... 651	Reed & Keller. .... 651
Edwards Folding Box Co. .... 652	Reinberg Peter. .... 652
Elliott Wm & Sons. .... 649	Rissam Carlman. .... 647
Elm City Nursery Co. .... 647	Rice Bros. .... 642
Ester J. G. .... 663	Rickards Bros. .... 640
Ernest W. H. .... 660	Robinson H. M. & Co. .... 652
Eyres .... 650	Rock Wm. L. Co. .... 650
Farquhar R. & J. Co. .... 649	Roehrs Julius Co. .... 630
Fiske, H. E. Seed Co. .... 649-651	Roper Albert. .... 630
Foley Mfg. Co. .... 662	Roland, Thomas. .... 630
Ford Bros. .... 654	Rolker August & Sons. .... 600
Froment H. E. .... 654	Rose Hill Nurseries. .... 652
Funnell, H. T. & A. H. .... 647	Saltford Geo. .... 654
Galvin Thos. F. .... 650	Sander & Son. .... 631
Greater N.Y. Florists' Association. .... 655	Schiller Bros. .... 649
Grey T. J. Co. .... 649	Schultheis Anton. .... 631
Grower's Cut Flower Co. .... 654	Schulz Jacob. .... 651
Gude Bros. Co. .... 650	Scott, John. .... 632
Guttman Alex. J. .... 654	Sharp, Partridge & Co. .... 663
Hall Asso. .... 663	Sheridan W. F. .... 654
Hartmann Hjalmar & Co. .... 649	Shinn's, Warren Nursery Stock. .... 646
Hauswirth M. C. & J. E. .... 650	Siggers & Siggers. .... 663
Heacock Jos. & Co. .... 612	Simpson Robt. .... 648
Herbert David & Son. .... 632	Situations & Wants. .... 661
Hews A. H. & Co. .... 660	Slinn B. S. Jr. .... 654
Hilfinger Bros. .... 660	Smith Elmer D. & Co. .... 630
Hill, The E. G. Co. .... 610	Smyth Wm. J. .... 630
Hitchings & Co. .... 664	Standard Plate Glass Co. .... 663
Hoffman .... 651	Stearns A. T. Lumber Co. .... 663
Horan E. C. .... 654	Stumpp & Walter Co. .... 661
Houghton & Clark. .... 650	Tailby .... 651
Hunt E. H. .... 661	Thorburn J. M. & Co. .... 649
Kervan The Co. .... 655	Totty Chas. H. .... 630
Kessler, P. F. .... 654	Traendly & Schenck. .... 654
King Cons. Co. .... 663	Troy J. H. .... 646
Klopper Alexander. .... 662	Twomey D. J. .... 647
Knopf, Chas., Floral Co. .... 630	Valentine, J. A. .... 650
Kopcsay Jos. C. .... 662	Vincent R. Jr. & Sons, .... 630-649
Koeschell Bros. Co. .... 663	Wabun Ros. Conservatories. .... 645
Kuebler Wm H. .... 655	Waterer John & Sons. .... 647
Lager & Hurrell .... 631	Weathered Co. .... 663
Langjahr, Alfred H. .... 654	Weber F. C. .... 650
Leonard Seed Co. .... 649	Welch Bros. .... 652
Leuthy A. & Co. .... 632	Weigel & Ujfalussy. .... 655
Lord & Burnham Co. .... 664	Whilldin Pottery Co. .... 660
Lutton W. H. .... 663	Wilson. .... 650
Manda Jos. A. .... 631	Winterson, E. F. Co. .... 652
MacMulklin E. A. .... 650	Witthold Geo. Co. .... 632
Mathews Wm. .... 631	Wood Bros. .... 646
McBeith Thos. A. .... 630	Woodruff W. M. .... 655
McCarthy N. F. & Co. .... 655	Woodrow, Sam'l A. .... 654
McConnell Alex. .... 650	Yokohama Nursery Co. .... 663
McKellar Charles W. .... 652	Young A. L. .... 655
McKissick, W. E. & Bros. .... 652	Young John. .... 655
	Young & Nugent. .... 650
	Zangen O V. .... 649
	Zinn Julius A. .... 651
	Zirngibel A. .... 631
	Zvolanek A. C. .... 649

The Payne Steel  
"T" Bar Greenhouses

The Lightest      The Strongest

Half full Size

HOUSES of this type are constructed with both curved glass eaves and straight glass eaves. Least amount of shadow. Least amount of wood. No drip. Greatest durability.

**JOHNA. PAYNE**

Greenhouse Designer and Builder

260-274 Culver Avenue

**JERSEY CITY, N. J.**

## HELP WANTED

**GOOD MEN**

When you need good men, skilled or unskilled, Write:

**THOS. H. BAMBRICK**

34 South 7th Street      Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED First-class foreman, fully acquainted with conservatory and plant work, to take charge of outside work connected with a large city retail flower store. Must have had experience in buying plants for store trade, absolutely sober, honest and industrious. None other need apply. Address with references, T. R., care HORTICULTURE.

## SITUATIONS WANTED

WANTED—Situation as assistant or second man in commercial place; experienced in carnations and general florists' stock. Can furnish best of references from well-known establishments. Address J. L., care HORTICULTURE.

WANTED—Situation as head gardener on private place. Experienced and can give first-class references. W. A., care HORTICULTURE.

## FOR SALE

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

## TO LEASE

TO LEASE for a term of years, four greenhouses containing about 40,000 feet of glass, stocked with saleable plants and cut flowers. Apply to A. G. Hood, Manchester, N. H.

## DON'T EXPERIMENT

USE

**To-BAK-INE**

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



The Best  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

**KILMDEAD TOBACCO DUST**

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

**U-N-I-T** GLOBE SPRAYER

It brings out in solution, with the water, what is put into the Globe.

EVERY  
GROWER  
SHOULD  
OWN ONE.



Made of solid brass.  
Fits standard hose connection.  
Tested at 150 pounds water pressure. Ask your dealer or write to us for circulars. Sent prepaid to any address in U. S. or Canada on receipt of \$3.50. Address  
Dept. H, J. F. CASS MFG. CO, Detroit, Mich.

Is Your Name In The Above  
List? If Not, Why Not?

# THE FOLEY MFG. CO.

## CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE  
25th and 26th STS., CHICAGO**

### GREENHOUSES BUILDING OR CONTEMPLATED.

Avon, Mass.—E. F. Oliver, one house.

Davenport, Ia.—Wm. Goos, house 26x100.

Stratford, Conn.—Henry Meachen, one house.

Oakdale, N. Y.—Seymour Burr, carnation house, 59x200.

San Francisco, Cal.—H. E. Bothin, rose house.

Wichita, Kans.—W. H. Culp & Co., range of houses.

Fall River, Mass.—The contract for the greenhouse, 22x91, with glass corridor 9x20, heating plant, etc., at Oak Grove Cemetery, has been awarded to Weathered Co., of Jersey City, N. J.

### PATENTS GRANTED.

- 902,070. Transplanter. Thomas Gooch, Marysville, Idaho.
- 902,124. Multibladed Garden Implement. Draper Voshell, Wilmington, Del.
- 902,128. Land Marker. Elmer E. Youtz, Casner, Ill.
- 902,155. Greenhouse Construction. William H. Lutton, Jersey City, N. J.
- 902,529. Hedge Trimmer. Frank L. Gilman, Eugene, Oreg.
- 902,801. Garden Hose Reel. Engbret Bergland, Portland, Ore.
- 902,863. Lawn Sprinkler. James J. Darrow, Ashlerville, Kans.
- 903,087. Edge Cutter for Lawns. Frederick Heather, New York, N. Y.

### NEWS NOTES.

Pittsburg, Pa.—Joseph M. Jones, florist, has filed a petition in bankruptcy giving his liabilities, \$2,669.78, assets, \$1,013.85.

Somersworth, N. H.—Three greenhouses and stable, belonging to G. S. Ramsburg, were burned on Tuesday, Nov. 10. The loss is \$8000, partly covered by insurance.

Santa Clara, Cal.—C. C. Woodward, florist, had a desperate struggle with a would-be burglar Nov. 1, and although terribly bruised escaped without serious injury.

In ordering goods please add  
"I saw it in HORTICULTURE."



**DREER'S SHEEP MANURE**  
FLORIST SPECIALTIES  
HENRY A. DREER, 714 Chestnut St., Phila., Pa.

**BOSTON PLATE & WINDOW GLASS CO.**

**GREENHOUSE GLASS**

German and American

261 to 287 A St., Boston 20-22 Canal St.

### PEERLESS REPAIR CLAMP



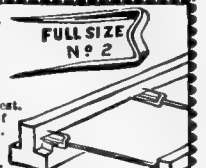
MADE OF ZINC  
TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY  
100 lights saved for \$1.00. Ask your dealer or  
address A. KLOKNER, Wauwatosa, Wis.

### Holds Glass Firmly

See the Point **43**  
**PEERLESS**

Glazing Points are the best.  
No ribs or lifts. Box of  
1,000 points 75 cts. postpaid.

HENRY A. DREER,  
714 Chestnut St., Phila., Pa.



### GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

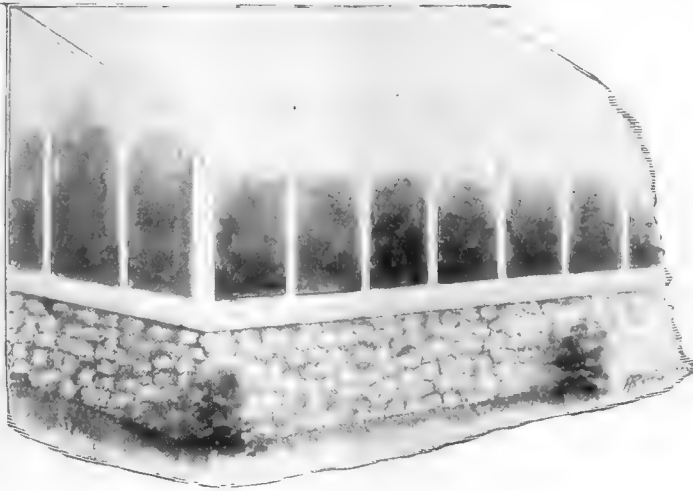
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



Awarded diploma and medal,  
1907, for the celebrated

Shower Maker, \$1.00

Dealers and jobbers, ask for sample, price and electros for catalogs.  
**JOSEPH KOPOSAY, South Bend, Ind.**

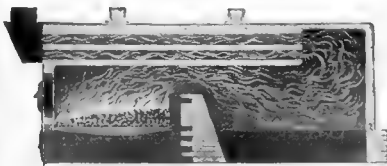


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

A trial order will quickly prove to you the truth of the claims made in our new printed matter, that we have no superiors in our line, that our goods are made of the best material, that our machine lasts the longest, is the easiest operated and erected and sold at reasonable profits and prices. Drop a card for circular, &c.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam,  
Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

## CYPRESS SASH BARS 82 feet or longer HOT BED SASH PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

## PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

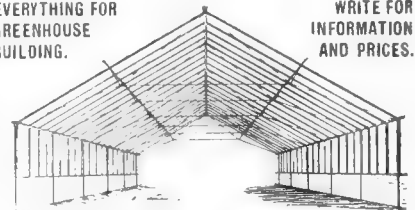
**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## THE WEATHERED COMPANY

erect the house of

### Greatest Sunlight

Iron Frame Semi-Iron Frame  
or All-Sash-Bar Houses  
Erected or Material Furnished

Send for Catalogue

P. O. Address Box 739  
NEW YORK CITY N. Y.

The **FLORISTS' HALL ASSOCIATION  
OF AMERICA**, insurer of 29,000,000  
sq. ft. of glass. For particulars address  
**John C. Esler, Sec'y, Saddle River, N.J.**

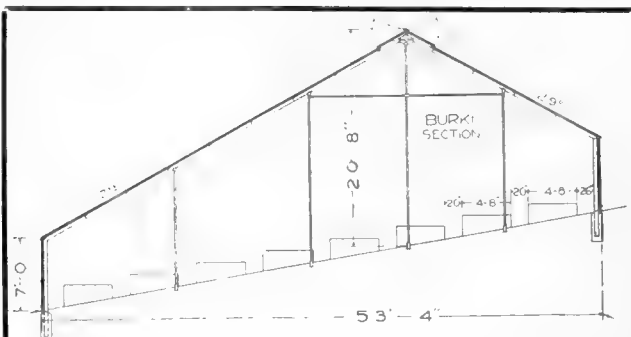


## RECENTLY PUBLISHED

a twelve page circular that you Superintendents and Gardeners will find of especial interest. It is a beautifully printed circular, describing our details of construction in a way that you will appreciate.

We want you to have this circular — want to send one to your employer also. Send us both your names.

**Hitchings & Company**  
1170 Broadway New York



## Our Shadeless Ridge Type of House

Its advantage is, none of the benches are shaded by the ridge.

This section is the 53-ft. Sectional Iron Frame house we furnished Mr. Fred Burki this season. His location on a side hill gives him a grade of about 5 feet in fifty.

Robert Simpson built his two 30 x 465 feet houses on the level, and graded them inside to meet his particular ideas.

Here then are examples of medium and wide Shadeless Ridge houses of our Sectional Iron Frame Construction. Each owner declares that they are the houses of the future, no matter what you want to grow.

If you are going to build, think these things over and get in touch with us.

**Lord & Burnham Co.**

Main Sales Office: 1133 BROADWAY, N.Y.

BOSTON: 81, Tremont Building. PHILADELPHIA: 1215 Filbert St.



## TAKE THE RIGIDITY QUESTION

You might think on first glance that a house so light, so airy and simple in its construction could not be rigid and enduring. It is decidedly both! You see with the encasing of the roof bars (or core bar as we call it) in the galvanized steel U-Bar, every bar is practically a rigid rafter, although the combining of both gives a member no larger than the roof bar used in the usual flat rafter frame construction. The core bars are chemically preserved against decay, and protected against condensation by the steel U-Bar. The steel U-B is galvanized against rust. It is the ideal construction for private estates, parks, public institutions and florists' show rooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII.

NOVEMBER 21, 1908

No. 21



CHRYSANTHEMUM WILLIAM DECKHAM AT LENOX, MASS.

Prize winning vase by James Fraser.

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER,**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

NOV 23 1908



# GERANIUMS

**Our Descriptive Geranium Catalogue**  
for season 1908-1909, the most comprehensive we have ever issued, is ready now for mailing. If you are in any way interested in Geraniums it will pay you to send for it.

Free to the Trade, 25c. to others.

**R. VINCENT JR. & SONS CO., White Marsh, Md.**

## The New Hydrangea Arborescens Grandiflora, the coming Forcing Plant

Forces easily, may be brought in for Easter or Memorial Day. Our stock is specially grown for forcing: field-grown, well supplied with roots.

Per 100  
2-year, 1½ to 2 feet, 3 to 4 stems ..... \$20.00  
2-year, 2 to 2½ feet, 4 to 6 stems ..... 30.00  
3-year, 3 to 3½ feet, 4 to 8 stems ..... 50.00

All one year tops, 10 at 100 rates. Cash or satisfactory reference from unknown parties. Refer to any florist or National Bank in Springfield.

**THOS. A. McBETH, SPRINGFIELD, OHIO**

## NEWPORT FAIRY

THE ROSE OF THE FUTURE FOR IN AND OUT DOOR.

**Fine, Strong, Field-Grown Stock**

3—4 Shoots 3—4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.  
RUTHERFORD, N. J.**

**New Roses,  
Chrysanthemums,  
Carnations, Geraniums.**

Send for Price List

**The E. G. HILL CO., Richmond, Ind.**

## NARCISSUS

(PAPER WHITE GRANDIFLORA)  
First Class Bulbs, \$1 per 100; \$8.00 per 1000

**THE DINGEE & CONARD CO.  
WEST GROVE, PA.**

**ROBERT CRAIG CO.  
ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS, PHILADELPHIA, PA.

## NEW CARNATION PINK DELIGHT

Waxy Shell Pink. A Grower's and Shipper's favorite. Has a holding color, keeps well, comes on long stems and is early, very free and continuous flowering.

January delivery, \$12.00 per 100; \$100.00 per 1000.

**F. Dorner & Sons Co., La Fayette, Ind.**

**ANDREW CARNEGIE  
SCARLET HARLOWARDEN**

FINE PLANTS

\$12.00 per 100, \$100.00 per 1000

**CHICAGO CARNATION CO.**

A. T. PYFER, Mgr. JOLIET, ILL.

## CYCLAMEN GIGANTEUM

5, 6 and 7 in. pots—50c, 75c, and \$1.00 each.

Extra heavy stock of the very best quality.

**Thomas Roland,  
Nahant, Mass.**

## BIG MUMS

**AND ANENONE VARIETIES**

We have all the best Commercial sorts both old and new. Early orders mean early delivery.

If you know what you want send list for prices. If you don't know, tell us how many kinds you wish and we will submit a list of the best for your purpose.

**ELMER D. SMITH & CO., Adrian, Mich.**

We can furnish the Exhibition Grower all the latest novelties and best of the old kinds.

January and February delivery.

Our collection of **SINGLES, POMPONS, HAIRY**

is the largest in America.

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in

on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION

## O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

PRICES  
Rooted Cuttings, per 100, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 100, \$2.50  
per 50, 35.00 | per 50, 4.50 | per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.**

## NEW CARNATIONS 1908-1909.

THE CREAM OF THE NOVELTIES. YOU WILL WANT THEM ALL.

MRS. CHAS. KNOPE. ... and Freer than Enchantress.  
RUBY. ...  
LAWSON ENCHANTRESS. ... with the Laas color. A Success Wreath.  
SARAH HILL. ...

Write for list of these varieties and can make early delivery.  
\$8.50 per 100. \$50.00 per 1000.

**CHARLES KNOPE FLORAL COMPANY, Richmond, Ind.**  
And S. J. REUTER & SON, Inc., Westerly, R. I.

## ORCHIDS

We have some handsome early *Percivalliana* which we positively guarantee to bloom between now and Christmas, as the buds are visible on the sheath. No less than two new strong growths on each plant. The flowers will more than repay purchase of plant. Plants with 7 to 10 bulbs \$1.00 each, from 10 to 15 bulbs \$1.25

**ORDONEZ BROS., Madison, N. J.**

## ORCHIDS Freshly Imported

We offer a superb lot of *Cattleya gigas Sanderiana* in finest condition; also *C. Bogotensis*, *C. Schroderae*, *C. labiata*, *C. gigas Hardyana* type and *Miltonia vexillaria*

**LAGER & HURRELL, Summit, N. J.**

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England**  
and 235 Broadway, Room 1  
NEW YORK CITY

## IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerulea*, *Cattleya Trianae*,  
*Cattleya gigas Sanderiana*, *Cattleya Schroderae*, *Oncidium varicosum*.

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

Orchid Baskets and Peat  
Write for Prices

**JOSEPH A. MANDA**  
191 Valley Road - WEST ORANGE, N. J.

## ORCHIDS

Our latest importations have been, *Cattleya Chrysozona*, *Cattleya Gaskelliana*, *Cattleya Gigas*, (Hardyan. variety), *Phalaenopsis Amabilis Schilleriana* and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

**CARRILLO & BALDWIN**  
SECAUCUS, N. J.

## Fine Quality Orchid Peat

25-bbl lots.....80c per bbl  
50-bbl lots.....75c per bbl  
100-bbl lots.....70c per bbl

Osmunda roots.

**WM. MATHEWS, - Utica, N. Y.**

## ZIRNGIEBEL'S FINE STRAIN

### OF PANSY PLANTS

NOW READY. Known for a quarter of a century. \$4.00 per 1000, 50 cents per 100.

**AUGUSTUS ZIRNGIEBEL,**  
Cash with the order. NEEDHAM, Mass.

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS**  
COLLEGE POINT, NEW YORK

## CALLA LILIES

150 Callas in 8-inch Pots. 3 and 4 bulbs each. To make room. In first-class condition, three dollars per dozen.

**EDMUND REARDON,**  
Cambridge, Mass.

# DREER'S SPECIAL OFFER

OF

## Bay Trees, Boxwood & Aucubas

### Bay Trees (*Laurus Nobilis*)

#### Standard or Tree-Shaped.

We offer a recent importation of excellent trees of exceptional good value, dense bushy heads, of rich dark-green.

High.	Diameter.	Each.
Stems, about 45 in. . . . .	crowns, 24 to 26 in. . . . .	\$6.00
" " 45 in. . . . .	26 to 28 in. . . . .	7.50
" " 45 in. . . . .	30 to 32 in. . . . .	10.00
" " 45 in. . . . .	34 to 36 in. . . . .	12.50
" " 45 in. . . . .	40 to 42 in. . . . .	15.00

#### Dwarf Standards.

High.	Diameter.	Each.
Stems, about 24 in. . . . .	crowns, 15 in. . . . .	\$2.00
" 28 to 30 in. . . . .	20 to 22 in. . . . .	4.00
" 30 in. . . . .	24 to 26 in. . . . .	6.00

#### Pyramidal Shaped.

High.	Diameter at Base	Each.
3 feet . . . . .	16 inches . . . . .	\$2.00
4½ " . . . . .	24 to 26 " . . . . .	6.00
5 " . . . . .	26 to 28 " . . . . .	7.50
6 " . . . . .	30 " . . . . .	10.00
6 " . . . . .	32 to 34 " . . . . .	12.50
7 " . . . . .	38 to 40 " . . . . .	15.00

#### Pyramid-Shaped Box.

Good, Shapely Specimens of good value.

High.	Diameter at Base.	Each.
30 to 36 inches . . . . .	15 inches . . . . .	\$2.00
40 to 42 " . . . . .	16 to 18 " . . . . .	2.50
48 to 50 " . . . . .	18 to 20 " . . . . .	4.00
54 to 60 " . . . . .	20 to 22 " . . . . .	5.00

#### Standard or Tree-Shaped Box.

High.	Diameter.	Each.
Stems, 20 to 24 in. . . . .	crowns, 12 to 14 in. . . . .	\$1.25
" 20 to 24 in. . . . .	14 to 16 in. . . . .	1.50
" 22 to 24 in. . . . .	22 to 24 in. . . . .	3.50

#### Bush-Shaped Box.

A nice lot of shapely, bushy, plants useful for decorative work, filling window boxes, etc.

High.	Per Doz.	Per 100.
10 to 12 inches . . . . .	\$2.00	\$15.00
12 to 15 inches . . . . .	3.50	25.00

#### Aucuba Japonica

High.	Each.	Per Doz.
Very bushy plants, 12 in. . . . .	.30	\$3.00
" " 18 to 20 in. . . . .	.40	4.50
" " 24 in. . . . .	.60	7.00

A limited lot of specimen plants, very fine, \$3.00 each.

For the most complete list of seasonable stock that can be offered at this season of the year see our current Wholesale Price List.

If you have not received a copy it will be mailed to you on Application.

# HENRY A. DREER, Inc.

714 Chestnut St., Philadelphia, Pa.



PYRAMID BAY

NEW

BAMBOO STICKS

NEW

COLORED

GREEN

Far superior to wooden sticks. SLENDER, DURABLE AND CHEAP. Sizes 1½, 2, 3 and 4 feet. Samples Free of Charge with Quotations.

NEW

The Yokohama Nursery Co.

31 Barclay St., NEW YORK

NEW

# CHRYSANTHEMUM NOVELTIES

The Grandest Lot I Have Ever Had.

## POCKETT'S CRIMSON

Crimson and Gold, the finest thing in its color ever sent out. Won first in seedling red at Chicago and was then awarded the sweepstakes as being the finest thing in the 14 classes of seedlings. Has received four other certificates.

## MRS. O. H. KAHN

The finest thing in bronze. A big winner at Chicago, and has received half a dozen certificates.

## C. H. TOTTY

A Chestnut Scarlet that will stick at the top for years. Stem and foliage ideal.

## POCKETT'S SURPRISE

A Monster Crimson with grand stem and foliage.

## YELLOW MILLER SPORT

A yellow sport from the bronze Miller that will be a record breaker.

Clara Wells, Frank Payne, Leslie Morrison and all the rest of the good ones.

Orders will be filled in rotation for delivery in the New Year. Preliminary List Now Ready.

# CHAS. H. TOTTY, MADISON, N. J.

## BARGAINS

in KENTIAS and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengerii.

### SMALL FERNS

for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

## GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity, prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N.J.

The Northboro Dahlia and  
Gladiolus Gardens

Offer for Spring 1909  
Two selected varieties of Dahlia bulbs for sale at one-half price. Also large quantities of Gladiolus bulbs in lots to suit. Send list of your wants, and we will mail you one.

J. L. MOORE, Northboro, Mass.

## DECORATIVE PLANTS

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias, Latanias, Arecas, Etc. Perennials and Shrubs.

4 inch Araucarias.....	50 cents each.	6 inch Araucarias.....	\$1.00 each.
5 " " " " " " " "	75 " " " "	7 " " " " " " " "	\$1.25 and \$1.50 " "

### FERNS FOR DISHES.

SEND FOR OUR PRICE LIST.

WE HAVE A COMPLETE STOCK.

## The Geo. Wittbold Co.

1657 Buckingham Place,

Chicago, Ill.

## PALMS AND FERNS DECORATIVE PLANTS

JOHN SCOTT  
Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

### NEP. WHITMANI

2 1/4 in., \$5.00 per 100

### NEP. WHITMANI

3 1/2 in., \$25.00 per 100

### BOSTON FERNS

2 1/4 in., \$3.00 per 100

H. H. BARROWS & SON Whitman, Mass.

## PEACOCK'S NEW DAHLIAS

SEND FOR LIST

PEACOCK DAHLIA FARMS  
Williamstown Junction, N. J.

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.

Established 40 Years

## Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

## A. N. PIERSON, Inc.

CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season.

## FERNS FOR DISHES

Assorted Varieties

From 2 inch pots \$3.50 per 100; \$30.00 per 1000

### PRIMULA OBCONICA

Strong Plants from 2 1/2 inch pots \$3.00 per 100.

ASH WITH ORDER.

## FRANK OECHSLIN,

2570 to 2606 W. Adams St., Chicago, Ill

## The Tree Buyer

When the average person buys a tree, he looks for size—he wants it tall, with a full sweeping head and as large a caliper as he can get away with. The matter of the roots is always a secondary consideration and it would be a useless task to attempt to enlighten him on the necessity of choosing a tree that has a good foundation, regardless of the size above ground. The size of the tree, lots of wood, and the price that he is obliged to pay for it appeals too strongly. All trees are the same to him, and as there is no great expense in growing them, he thinks, the price must be very low. When he meets such conditions he buys his tree.

To meet such requirements the nurseryman rises to the occasion and to supply Mr. Bargainhunter with the requisite amount of kindling wood he gives him a tree that has been planted out for some seasons and which has never enjoyed the benefits of a shift from the position where it was first placed. When such a tree is taken up, its roots may run yards off, with a few little feeders at the ends of the straggling roots. This means that the essential parts of the root system are destroyed in digging, and the prospects of the tree living in its new location lessened to a dangerous degree. This is a sample of the field-grown beauty that is sold for a very small price. Such a tree is shown in picture number one. It had, as stated above, long rambling roots and a paucity of fibre.

To give a tree proper attention during the time of its stay in the nursery costs money. This attention, which applies to shifting, pruning, guarding from pests, etc., cannot be given to trees that must be sold for a few cents.



Illustration No. 2.

A tree cared for well, after a few seasons, show a mass of tender feeding roots such as are shown in the second picture. Such trees as these are sure to live if given a semblance of fair treatment but they are never found on the bargain counter. It is difficult to make people understand the necessity of charging a reasonable price for such a tree and with a knowing smile they will say, "Tommy Rot," and take the cheaper tree.

Evidences of these conditions are abundant throughout the country. Even if the tree is all that can be desired it is often subjected to such rough treatment that it cannot reestablish itself when shifted and after lingering through a half-dead-and-alive existence for some months, it dies out.

Want of proper care during the time of transit from the nursery and after it is received at its destination is the cause of this. A tree left with its roots exposed to drying winds is sure to suffer. Even when properly packed but allowed to lay about an express office and on an express team any longer than is absolutely necessary the same is true.

During years' experience with a free tree distribution at the Boston City Greenhouses the greatest difficulty was experienced in getting the recipients of the trees to understand that the trees must be planted immediately and, what was more difficult for their comprehension, not too deep. In many cases inspection showed trees buried to the depth of three feet.

The object of this little screed is to insist upon the fact that a good tree is never sold for a plugged silver piece, and to impress upon the nurseryman the prevalent public ignorance on the subject of tree planting and his duty in consequence.



Illustration No. 1.

*Samuel J. Doogue*

## Tree Talks

100.

### OUR DEPENDENCE UPON THE TREES

Almost every branch of manufacture is dependent, more or less, on trees or their products. In the manufacture of the various articles used in commerce, a great portion of the materials used have been hitherto (except for the seaboard towns) the products of our own woods. At the present time we of Massachusetts are dependent on other States for a large portion of the material used in building and manufacture, and every mechanic who works in wood looks every year, more and more, out of the State for his raw materials. Even foreign resources are fast failing, and the forests of Maine, New Hampshire and northern New York are disappearing as rapidly as our own. At this rate the supply of good lumber, in many States, will soon be exhausted; even the large pineries in Michigan are fast disappearing, and every year we have to go further and further away for our supplies. Some manufacturers of wooden ware in Boston have already found it to be more economical to live near the woods where their supply comes from, and have moved their factories out of the State. What takes place in individual cases indicates the necessary but silent movement of the masses, and one by one the woodworkers of the State will have disappeared. This might, in a measure, be prevented by planting at once plantations of trees most useful in the various branches of manufacture. Our legislatures seem powerless to stay the axe of the woodman, though they might do much to encourage the planting of forest trees and thus, in some degree, avert the evil consequences which must surely attend the destruction of our native forests.

### WHAT TO PLANT

The next question is, what shall we plant that is the most profitable? This would, of course, depend in a measure, upon the soil to be planted. I would suggest that the most profitable tree for New England, especially Massachusetts, would, for the worn-out lands, be the White pine (*Pinus strobus*); for ordinary land of fair quality, the Sweet chestnut, beech, Red oak, Paper birch, Tree of Heaven (*Ailantus*), Buttonball, Red cedar, Pin oak, White oak, and Sugar maple. The willows, White ash, Water ash, elm, American linden and Sour gum will do well on moist or wet lands. The nut-bearing trees will grow on any good soil, but to have them grow rapidly it needs a generous soil. The Black walnut flourishes pretty well in the vicinity of Boston. I know of trees planted from seed twenty-five years ago that are now twelve to eighteen inches in diameter and fifty feet high. Most persons who plant butternut White walnut, Black walnut or hickory transplant trees too large; hence so many failures. One or two-year old trees, ranging from six to eighteen inches in height will give better satisfaction in ten years than trees five or six feet high, unless they have been transplanted every two years, to prepare them for their final transplanting.

### THE WHITE PINE

The White pine should be planted from four to six feet high, in a ground that was broken up the year previously if possible, keeping the land cultivated between the rows for the first two years. This

would enable the plants to get well rooted and destroy the coarser weeds which might retard the growth of the young seedling by sapping the land of what little vegetable food it might contain. After this the plants would grow rapidly, and by their dense foliage would soon smother out the weeds, and the annual fall of the pine needles would protect and furnish the growing plants with food. In making the plantations it would be well to have each lot planted with trees of nearly the same size; that is, if the plants are from twelve to twenty inches in height. Sort them as nearly as possible into the two sizes, planting each size by itself, to insure a more even growth. After the fourth year it would be well to trim off smoothly the lower limbs. This pruning should be done annually for several years, until the branches are as high as you could reach. This would throw the vigor into the trunk of the tree, and help reduce the loss by fire, which soon destroys young trees where the branches remain near the ground.

### TRANSPLANTING

Transplanting trees is one of the most important duties of the gardener. It is too often done without sufficient attention to the principles on which its success or failure depends. Yet it is simple enough, if we do not labor to render it confused by too many imaginary refinements. When a plant is taken out of the ground for transplanting, its roots are more or less injured in the process; consequently, it is less able to support the stem than it was before the roots were mutilated. This loss of power will be in proportion to the roughness with which the roots are handled. The importance of the roots of plants is not alike at all seasons; in the summer, when there is the greatest demand upon them in consequence of the perspiration of the foliage, they are most essential; in the winter, when the leaves have fallen, they are comparatively unimportant, as is evident from a very common case. If you cut a limb or a tree in July, when it is in full leaf, it will wilt in a few hours, the bark will shrivel and dry up, and in a day or two the whole will perish. If a similar limb or tree is cut in November or December, after its foliage has dropped, it will often retain its vitality until the following spring, when it will make an effort to grow; and in the case of some trees, such as the willow, they will grow after having lain on the ground all winter. I have seen pitch pine, willow, and several other woods cut and piled, throw out branches six to eight inches long, after standing all winter. It is the powerful perspiratory action of the leaves of deciduous trees, which renders them so difficult to transplant in a growing state; even if the buds are pushing the process should be avoided if possible, as immediately after that period the demand upon the plants is the greatest. In consequence of the smallness of the young leaves, the perspiration may seem feeble, yet the thinness of the newly formed tissue will not enable them to resist the dryness of the atmosphere unless there is an abundant flow of sap from the root; hence the necessity of syringing and shading newly transplanted trees or plants in leaf, so as to supply and preserve as much as possible the evaporation taking place, which, otherwise, would soon exhaust the plant.

*Jackson Dawson*

*Arnold Arboretum.*



## Laelio-Cattleya Digbyana-Mendellii

Our illustration shows a beautiful hybrid, the result of crossing *Cattleya Mendellii* with the pollen of *Laelia Digbyana*. This is one of the comparatively few cases in orchid hybridization where the best qualities of both parents have been transmitted to the offspring. The flowers are intermediate in color and form; the size of the seed parent, and the extraordinary large lip of the pollen parent have been retained, forming a combination far more beautiful than either of the parent species. The vigor of the hybrids is not the least of the good qualities obtained by the hybridist.

The flowers are large, sepals and petals pale lavender in color. The lip is very large, the basal portion folded over the column, forming a long tube, the throat of which is purple with bright yellow lines, which radiate outward and become lost in a zone of bright yellow which towards its outer margin merges into white. The outer edge of the lip is pinkish lavender, very wavy and crisp, cut into a broad fringe. Hybrids obtained with the pollen of *Laelia Digbyana* are all desirable. They are more generally known under the name of *Brasso-Cattleya*, as the popular name for *Laelia Digbyana* is *Brassavola Digbyana*. Our subject flowered in the collection of Major G. M. Laughlan, Woodland Road, Pittsburg, Pa., Herbert Price, gardener. Mr. Price is an orchid enthusiast and



has got together a fair collection containing many choice hybrids. The chief feature in the collection is the *Dendrobiums* which are the finest, healthiest lot the writer has ever seen.

*James Hutchison*

## The Naturalization of Flowers

(Continued from Page 633)

When we begin our operations for naturalizing such subjects as daffodils or narcissi, we must keep clear of anything which may approach formality, so that the arrangement as a whole may be free and natural; in fact the more unconventional it is the better they will look when flowering time comes round. The best plan to follow if we wish to achieve this result is to scatter the bulbs broadcast, in rough irregular masses, and to plant them wherever they may happen to fall.

Who has not heard of the Poets' narcissus, so slender, so graceful, so unobtrusive in its breath of subtle perfume, and wax-like beauty? Its very name suggests to us its proper environment. There are two varieties of the Poets' narcissus, *Poeticus ornatus* and the old garden *Poeticus* which flowers somewhat later. Both varieties make capital subjects for naturalizing and make splendid effects in almost any situation. In the accompanying illustration (p. 633) they have been used on the sloping bank of a pond, under the shade of the overhanging trees, and the effect when in flower was simply a revelation of good taste and natural simplicity. What is possible with *Poeticus* is equally possible with a great many other varieties if we bear in mind to keep each distinct, to avoid overcrowding and not to have each mass in too close proximity to one another. Varieties which succeed well on a rather wet location are, among others, *Cyclamineas*, *Sir Watkin*, *Emperor*, *Duchess of Westminster* and *Empress*. For planting in grasslands, or in the semi-wild garden, a good selection would include *Queen of Spain*, *Mrs. Langtry*, *Sir Watkin*, *Barrii conspicuus*, *P. R. Barr* and *Horsfieldii*.

While on this subject we must not forget the snow-

drops and the crocuses, the flowers of our childhood. How often I wonder does a glimpse of those simple little flowers take one's memory like a flash back through the mists of a lifetime to the days of our childhood. It is perhaps this peculiar something which makes them so popular and so necessary in our scheme of naturalizing. Both crocuses and snowdrops, may be planted almost anywhere and they will never look out of place.

Two other old-world flowers which we must include in our garden to give it that touch of poetical attractiveness are the wild violet, and the old English primrose. What could be more beautiful than the pert little violet peeping in bold masses from beneath its covering of dark green leaves? Where could we find anything so chic, so delightfully pretty as the primrose? No wonder poor old "Dizzy" (Lord Beaconsfield) used to worship them! Can we wonder that the poets should rave over them?

One could fill a book with the flowers of spring and their beauties. Let us not forget, however, the beauties of the *chionodoxas*, the grace of the wood anemones and the sweetness of the *scillas*. Then again in the grove, on the slopes of the wild garden, or nestling at the foot of the trees, nothing would be complete without the feathered hyacinths (*Muscari*). Truly for a simple effect these flowers have no equal. But then all flowers are beautiful no matter what their color may be, if they are planted in the right place.

Let us try and make them feel at home.

*W. W. M. Brown*  
North Easton,  
Mass.

# 

VOL. VIII

NOVEMBER 21, 1903

NO. 21

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## 

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## 

Per inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## 

COVER ILLUSTRATION—Chrysanthemum William Duckham.	Page
THE TREE BUYER—Luke J. Doogue—Illustrated.	669
TREE TALKS—Jackson Dawson.	670
LAELIO-CATTLEYA DIGBYANA-MENDELLII—James Hutchinson—Illustrated.	671
NATURALIZATION OF FLOWERS—Wm. McM. Brown.	671
DURING RECESS: The New York Florists' Club Smoker—Nassau County Horticultural Society—Bowling at Astoria	673
THE EXHIBITIONS: National Flower Show—Visit to Poehlmann's... Florists' Club of Washington.	674
New Haven County Horticultural Society—New Jersey Floricultural Society—New Orleans Horticultural Society.	675
New York Horticultural Society—Rhode Island Horticultural Society—Supplementary Awards at Philadelphia Show—Worcester County Horticultural Society—Mt. Kisco Show.	676
Lenox Horticultural Society—A Notable Event for 1910—Local Flower Shows.	677
Coming Events.	678
NOTES ON CHRYSANTHEMUMS—Edwin Jenkins.	678
NEWS OF THE CLUBS AND SOCIETIES: Morris County Gardeners' and Florists' Society—Florists' and Gardeners' Club of Rhode Island—North Shore Horticultural Society—Springfield (O.) Florists' Club.	679
Gardeners' and Florists' Club of Boston—St. Louis Florist Club.	680
Mass. Horticultural Society—Notes.	681
Chrysanthemum Society of America.	682
OBITUARY—Joseph Bradford—Mrs. Ida S. H. Gorham—Dr. James Fletcher—George M. Kellogg, portrait—Mrs. P. M. R. Pierson.	682
SEED TRADE—New Freight Rate on Japan Bulbs—Change of Partnership.	684
Reliability of American Sweet Pea Trade.	685
OF INTEREST TO RETAIL FLORISTS: New York Retail Florists Organize—Steamer Departures—New Retail Flower Stores.	686
A New York Celebrity—Illustrated.	687
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Detroit, Phila., Pittsb'g New York.	689
MISCELLANEOUS: Propagating Whitman Ferns—Planting Hollyhocks and Montbretias Ruffled Gladioli—Keep Pegging Away Prosperity Starts—Movements of Gardeners' Portico—Notes from the Rockies Chrysanthemum President Taft—Illustration.	673
Catalogues Received.	678
P.O. Long Notes.	682
New Notes.	687-689-698
Business Changes.	687
Philadelphia Notes.	689
Gardeners' Club of Boston—Patents Granted.	698

attention of orchid fanciers and noted specialists in this country and abroad on this event which, as proposed, will be unprecedented in magnitude in this country. As all know, the orchid has made remarkable strides within a few years and while it has firmly retained its position as the most precious floral possession of nobility and wealth it has also been brought within the reach of the commercial florist and his appreciative patrons in all important centers in the country where the use of these flowers, in the many lovely species already available, is recognized as giving to floral decorative work a refined beauty unattainable by any other means.

## 

It appears to be generally accepted that the National Flower Show which closed last Saturday night was a success in all that word can reasonably

be expected to imply, taking all the circumstances into consideration. Chicago proved equal to the occasion and the wisdom of the selection of that city as the place in which to pull off the first National Flower Show has been well confirmed. Why is not Chicago the best location for the second National Flower Show which is already talked about? It is central, enthusiastic and, so far as we know, has never had a spring show of any great magnitude and undoubtedly the same elements and conditions which insured the success of the first will be equally or even more effective in a second. Weak spots in the handling of the recent show will have been located and strengthened and from every important standpoint Chicago is the logical conclusion.

## 

Reports from widely separated sources are generally favorable as regards attendance and general public interest in the flower shows

this season. Whether this means simply a transient whim in the public fancy or something more permanent will appear in due time. We are inclined to the belief, however, that the gain is due in some degree to a better understanding of the public's disposition on the part of those at the helm in the management of these exhibition enterprises. Thus the lessons of the past have not been without their salutary effect and the conviction has been driven home where it was most needed, that the public's standard and the gardener's standard of what constitutes an interesting exhibition are often distinctly different. The more thoroughly this fact is appreciated and acted upon the better will be the treasurer's report when the day for settlement comes and the less complaint we shall hear of public indifference.

## 

We have heard much favorable comment on the sentiments expressed by President-Elect Valentine at the banquet in the Chicago Auditorium

last week suggesting that men of wealth should be encouraged to provide means for the study of plant life and floriculture in schools and colleges. That the instilling into the minds of the young a better knowledge of and familiarity with flowers would act as a valuable refining and civilizing influence of far-reaching effect cannot be questioned. There are few more philanthropic and altogether worthy objects to which endowments can be devoted. The love of trees, plants and flowers is one with affection for home and for humanity, compatible only with sweetness of character and the highest ideals of happy living. This is an influence which is destined to be more generally recognized than it has been and Mr. Valentine will find not only the S. A. F. and the elements it represents but the general public by a large majority ready to endorse and applaud any movement on the lines suggested in his very timely remarks.

An orchid show of the great exhibition exhibition, which is to be held at Boston in the spring of 1910 should focus the

**PROPAGATING WHITMANI FERN.**

Editor of HORTICULTURE:

Dear Sir,—I have some *Nephrolepis Whitmani* and *Nephrolepis Amerpohli*. I would like to work a stock for next year; can you tell me how to go about it? Any assistance you can give will be gratefully appreciated by  
A GROWER.

To work up a stock of *Nephrolepis* ferns for another spring you should have some good-sized plants to bench at once, say 5 or 6 inch, planted in good soil about 12 x 12 inches. Soil in bench should be about 5 inches deep. The tops of plants should be trimmed of the old upward foliage about once a month, so as to give plenty of light and air for the runners. It is a good plan to mulch lightly with rich soil as the runners work to the surface. Runners are ready to take when they have developed their second frond and should be planted in good rich soil or potted in 2 1/4 or 2 1/2 in. pots, and well shaded until established. *Nephrolepis* ferns do their best in a night temperature of 65 to 70.

HENRY H. BARROWS.

**PLANTING HOLLYHOCKS AND MONTBRETIAS.**

Editor of HORTICULTURE:

Dear Sir,—When would you advise planting double hollyhocks and montbretias? Can it be done now?

Yours truly,  
OUTDOORS.

You might have planted double hollyhocks six weeks ago with good results, but it is too late now. It would be better for you to wait until April to plant both the double hollyhocks and montbretias.

**RUFFLED GLADIOLI.**

I grew some of Mr. A. E. Kunderd's new ruffled gladioli this season and they are verily the most beautiful type in cultivation. The new *Primulinus* with its deep rich yellow color and peculiar formation of flower is also very beautiful and will probably prove to be valuable for breeding. I made several crosses on different types with this variety the present season, and have some fine looking seed.

L. MERTON GAGE.

**KEEP PEGGING AWAY.**

Men seldom mount by a single bound  
To the ladder's very top;  
They must slowly climb it round by round.  
With many a start and stop.  
And the winner is sure to be the man  
Who labors day by day.  
For the world has learned that the safest plan  
Is to keep on pegging away.

You have read, of course, about the hare  
And the tortoise, the tale is old,—  
How they ran a race—it counts not where—  
And the tortoise won, we're told.  
The hare was sure he had time to pause  
And to browse about and play.  
So the tortoise won the race because  
He just kept pegging away.

A little toil and a little rest,  
And a little more earned than spent,  
Is sure to bring to an honest breast  
A blessing of glad content.  
And so, though skies may frown or smile,  
Be diligent day by day;  
Reward shall greet you after awhile  
If you just keep pegging away.

—Nixon W. German.  
American Cultivator.

**During Recess****THE NEW YORK FLORISTS' CLUB SMOKER.**

W. C. Rickards and his staff who fill so acceptably the post of purveyors and entertainers of the critical florists and ornamental horticulturists of the Metropolis added another to the long list of their successful achievements, on Wednesday evening, November 18. The club room was filled to the limit with smoke and members and the singers, musicians and vaudeville entertainers provided for the amusement of the company were right on their job, especially the bagpiper, Captain Cameron who was a never failing center of interest for his countrymen and of subdued awe for those who were not. In the ante-room Joe Manda did the honors with tireless hospitality and if there were any hungry ones left at the wind-up it was not his fault. The company present numbered one hundred or more and was composed, with a few exceptions, of the younger element in the club which is coming forward with commendable energy and rapidly changing the complexion of the activities of the organization. It was nearly midnight when the party broke up, all well pleased with the evening's entertainment.

**NASSAU COUNTY HORTICULTURAL SOCIETY.**

The Nassau County Horticultural Society held its first annual ball on Thursday, Nov. 12, in Pembroke Hall, Glen Cove, N. Y., and it was very well attended. Miller's Orchestra supplied excellent music and dancing was kept up till an early hour. A committee including some of the gardeners' wives looked after the refreshments in first-class style.

JAS. KESSON, Rec. Sec'y.

**BOWLING AT ASTORIA.**

The Astoria (N. Y.) Bowling Club had a Ladies' Night on Tuesday, November 17, and many handsome trophies were distributed among the bowlers, Mrs. Miesem winning first prize. Phil Kessler and John Donaldson requested that their own scores be buried in oblivion for obvious reasons. The officers of this happy aggregation are W. H. Siebrecht, pres., sec'y and treas.; J. Miesem, capt.

**PROSPERITY STARTS.**

Orders already within \$100 of being one half my spring '08 sales, and if it keeps up this way long shall have to refuse wholesale orders by February 1st to protect my retail trade which has heretofore been my best hold. Think '09 will be a record breaker from present indications in bulb trade.

J. L. MOORE.

**MOVEMENTS OF GARDENERS.**

James Rust, formerly with P. L. Saltonstall, Hyde Park, Mass., has taken a position on the Merton F. Plant estate, Groton, Conn.

Mr. Wm. Dunman, gardener at the Union Printers' Home of Colorado Springs, has been offered a more lucrative position at the Nebraska University, Lincoln, Nebr.

**PERSONAL.**

W. H. Maynard of Detroit is reported quite ill but not dangerously so.

John A. Lambert has taken a position as manager for J. L. Parker, Birmingham, Ala.

L. E. Marquisee of Syracuse, N. Y., is seriously ill with cerebral hemorrhage at his home.

Miss Lucy Graves, of H. W. Field's flower store, Northampton, Mass., is critically ill at her home.

Visitors in Albany: F. B. Green, representing H. Bayersdorfer & Co., Philadelphia; M. J. Beatus, of Dayton Paper Box & Novelty Co., Dayton, O.

Visitors in New York: H. G. Eyres, Albany; Carl Jurgens, Jr., Newport, R. I.; Sidney Hoffman, Boston; John Scott of Brooklyn—his first appearance since his long illness; David Welch, Boston, on a holly inspection trip to North Carolina.

Visitors in Boston: W. P. Craig, Philadelphia; J. N. Champion, New Haven, Conn.; D. F. Roy, Marion, Mass.; C. R. Knickman, representing McHutchison & Co., New York City; T. Mellstrom, representing Sander & Sons, St. Albans, Eng.; E. J. Harmon, Portland, Me.

Miss Bertha Foehlmann, sister of the Foehlmann Bros. of Chicago, will be married Thanksgiving Day to Mr. A. Hoppe of New York. The acquaintance was formed while abroad last year. Miss Foehlmann is an artist of considerable merit.

**NOTES FROM THE ROCKIES.**

The El Paso County Horticultural Society, Colo., has just closed up its tenth annual year. Its object is to promote and encourage the cultivation of trees and flowers among the masses and particularly the children, to whom is offered at its annual flower show a liberal amount of cash and other premiums. Its work in civic improvement has been the means of placing this city in the foreground as the most attractive and healthy on the western circuit to the Pacific Coast.

Prof. S. H. Pammel's remarks in a recent issue of HORTICULTURE on the Flowers of the Rocky Mountain Regions had a gratifying effect upon the reader, inasmuch as it brings to the attention of the horticultural readers a few of the floral attractions of this locality. If Mr. Pammel's first trip out here was a revelation to him I would certainly have made his last more so in the indigenous floral line if I had seen him on his recent visit. Few realize that Colorado is the Flower Garden of the Continent.

JOHN BERRY.

# HORTICULTURE

## THE EXHIBITIONS

November 21, 1908

### NATIONAL FLOWER SHOW.

#### Concluding Days and Exhibits.

Violets, pansies, lily of the valley and lilies were special features of the last days of the show, with large baskets of flowers from the retail florists of Chicago in the "made-up" section. The violets were all from the east, and F. R. Gillman and Stephen Burns of Rhinebeck, N. Y., received first and second prizes, respectively. Pansies exhibited by Gustave Swenson of Elmhurst won the silver cup. Mr. Toole of Baraboo, Wis., also exhibited pansies. Poehlmann Bros., though not making a specialty of lily of the valley, were awarded first prize. Adam Wolmewicz had a fine specimen of a navel orange tree well laden with fruit and a ponderosa lemon tree, around which were grouped a collection of foliage and geranium plants.

The display of baskets of cut flower was excellent and most of the baskets were of large size. The three Beauty baskets in particular, shown by W. J. Smyth, Schiller and Weinhoeber, were a credit to the stores they represented. Smyth also had a basket of Perle roses; F. W. Schiller and Butler, Killarney baskets. On another table Butler Floral Co. showed a very tastefully arranged basket of white orchids and lily of the valley, another of anemones and pompons in white and still another in pink and white carnations. These two carried off first prizes. Two other beautiful baskets by Lange were one of violets, lily of the valley and mignonette, the other pink and white sweet peas with mignonette. D. R. Robertson won first on basket of Killarneys. A Lange won first on basket of Beauties and also on basket of Richmonds. Frank Ben's seedling carnation won second prize and his new dark yellow pompon chrysanthemum, Mrs. Frank Ben, was much admired.

The annex was filled during the latter half of the week with exhibits by Winterson Seed Store, display of palms and decorative stock, and Swain, Nelson & Co. the Glenview Nurseries. E. M. Barton and Vaughan's Seed Store took part in tables of vegetables and Barton took the silver medal.

Among the roses brought out later in the week was a rose of La Detroit by Geo. F. Hoff of E. Grand Rapids, Mich., first prize. The seedlings of W. A. Manda won the award of the stock. His new fern *Polyphum Mandala*, not yet in commerce, won the silver medal and is a real treat to all who grow ferns. The champion pin for winning the greatest number of premiums.

#### Floral Arrangements.

The floral arrangements were very good, roses being the favorite. The winners were: First prize, W. J. Smyth; second, F. W. Schiller and Butler; third, D. R. Robertson; fourth, F. W. Schiller and Butler. In feature, carnations, Cup to Butler Floral Co. and lilies, to F. W. Schiller and Butler.

#### Miscellaneous.

Special prizes were given to the exhibitors by the judges. The winners were: First prize, W. J. Smyth; second, F. W. Schiller and Butler; third, D. R. Robertson; fourth, F. W. Schiller and Butler.

tion of old and new chrysanthemums; W. A. Manda, Dracaena Mandala; A. Silver medals: M. Calvat, seedling chrysanthemums; Howard Gould, celosia; Julius Roehrs Co., Asparagus Duchesse; Phoenix Roehelini; Frank Ochslein, group of decorative plants; C. C. Pollwirth Co., group of specimen plants; W. A. Manda, collection of winter colors.

Bronze medals: J. H. Peterson for Begonia Agatha; W. A. Manda, golden privet, collection of economic and curious plants; Thomas Roland, group of cyclamens.

Certificates of merit: E. R. Pearson, Nephrolepis superbissima; Henry A. Dreer, Nephrolepis Scholzei; Alois Frey, seedling anemone and single chrysanthemums; Robt. Craig Co., Baby Margaret chrysanthemum; W. A. Manda, Dracaena Mandala; Anthurium Cettigiana; Yucca Menandii; J. Roehrs Co., Croton F. Sander; South Park, Chicago, group of plants; Lincoln Park, Chicago, group of plants.

Special cash prizes—H. Lange, flowers as arranged 25 years ago; Julius Roehrs Co., Crotons, Tacca Chanterelle; Cyanophyllum Magnificence; Howard Gould, single-stemmed chrysanthemums; E. D. Smith & Co., collection of old and new chrysanthemums; Thomas Roland, group of cyclamens; F. Ochslein, collection of miscellaneous plants; Otto G. Koenig, pepper plants; Vaughan's Seed Store, trout and "before and after"; Smith & Peters, cable decorations.

Special mention to Adam Wolmewicz, group of plants.

### THE VISIT TO POEHLMANN'S.

The crowd at the union station Thursday morning showed the florists' appreciation of an invitation to visit the Poehlmann Bros' establishment at Morton Grove. They responded in a way that would have overwhelmed almost anyone else. But the Poehlmanns and their capable wives are equal to any emergency, and took such good care of their 350 guests that each one felt at home and enjoyed a day long to be remembered as one of the very brightest spots in their recollections of the great national flower show. A special train was provided and a social half-hour was enjoyed on the way.

After the inspection of the establishment, Mr. Phil. Foley called the visitors to order, and impromptu speeches took up the rest of the time.

Benj. Hammond said the Poehlmann Bros. exemplified the motto, "In union there is strength," by showing what success can be attained by working together. W. W. Coles made a few happy remarks on executive ability. Philip Breitmeyer said that seven years ago a party of men were traveling through this part of the country and they expressed disappointment at what the West was doing. He said one of these men was a guest today and introduced John N. May.

Mr. May said: "I plead guilty," but added that now he could say that no manufacturing plant in the world today could surpass the Poehlmanns' establishment in its equipment for work, and proposed three cheers for the Poehlmann Bros. and wives.

The Misses Vera and Virginia Poehlmann, little daughters of Adolph and August Poehlmann, recited several times, to the great enjoyment of their guests, and were loudly applauded.

Mrs. Vesey, Philip Breitmeyer and others made felicitous remarks, and the Messrs. Poehlmann responded appreciatively.

### FLORISTS' CLUB OF WASHINGTON.

Seldom, if ever, has the Washington public been treated to such a scene as greeted them on Thursday afternoon, Nov. 12, at the old Masonic Temple. Promptly at two o'clock the doors were thrown open to the public, and from shortly after that time until its close at 11 P. M., Nov. 15, there was a steady throng of people coming and going during the hours when the show was open to the public, viz., 2-11 P. M. Both artistically and financially it was a beautiful success, something to make the Washington florists proud of themselves. The exhibit took in two spacious rooms on the second floor of the temple. From every wall and chandelier hung festoons of southern smilax, while dozens of canaries trilled out their greeting. The stage was beautifully decorated with magnificent specimens of Nephrolepis Whitmanii, Aucuba Japonica, variegated Arbovitae and Japanese junipers in fancy bronzed window boxes. The rich green effect was relieved in the centre by a large vase of Bonnaffon chrysanthemums, and on either side by magnificent specimen plants of Wm. Duckham, exhibited by Pennock-Meehan Co. The centre of the hall was given to Gude Bros' display. It consisted of a magnificent fountain of over 500 American Beauties, 16 ft. high and 14 ft. at base. From four brass posts was stretched a railing of red velvet; the base of the fountain was composed almost entirely of adiantums, relieved by bunches of Beauties. Woven in and out among the roses on the column were tiny electric lights, simulating dewdrops. Near the four corners of the hall were Corinthian pillars, grouped close together and decorated respectively by F. H. Kramer, Gude Bros., Geo. Shaffer and Geo. Cooke.

Kramer's column at base was decorated with Whitmanii, Piersonii and Bostoniensis ferns and Timothy Eaton and Golden Wedding chrysanthemums. Geo. Shaffer's column, with Bostoniensis fern, autumn leaves, Timothy Eaton chrysanthemums, and American Beauty roses. Gude's column, with Bryanii fern, adiantum and yellow chrysanthemums. Geo. Cooke's column was one bank of Boston fern and yellow chrysanthemums.

On entire side of room were two large semi-circles decorated by J. R. Freeman; these were not in competition. At the top of each stand were immense plants of Kentia Forsteriana and Boston fern, artistically arranged. These were interspersed with specimen decorative plants and the entire effect was magnificent.

Just in front of stage was a fleur-de-lis shaped table of chrysanthemums, roses and carnations, decorated by Gude Bros. It was banked on edges with Bryanii ferns. Corresponding to this at the other end of the hall was a table of similar shape, of roses, chrysanthemums and lilies of the valley. Just back of this was a fine display of begonias Rex and Lorraine, crotons, ferns and dracaenas, the exhibit of Mrs. L. J. Leiter. Through the courtesy of W. R. Smith there was a fine display

by the Botanical Gardens, better described in Mr. Smith's words as being the finest botanical exhibit for the space it occupied, ever made.

#### Out of Town Exhibitors.

A. N. Pierson of Cromwell, Conn., showed six large pots of Farleyense and specimen chrysanthemums; Poehlmann Bros., Chicago, a large vase of Mrs. Potter Palmer rose; Elmer D. Smith, Adrian, Mich., President Taft chrysanthemum; E. G. Hill, Richmond, Ind., Lynwood Hall and Golden Eagle chrysanthemums; The Chas. Knopf Floral Co., of Richmond, Ind., seedling carnations; R. Vincent, Jr. & Sons Co., pompon chrysanthemums in many varieties and colors; Joseph Heacock, Wyncote, Pa., carnation Dorothy Gordon; Wm. H. Moon Co., Morrisville, Pa., arborvitae and other fancy conifers.

The next hall contained table decorations by Mayberry and Hoover, and Marche, and table and mantel decorations by Blackistone, Geo. Shaffer and Geo. Cooke. On the first day, Mayberry and Hoover's table was decorated in a pyramidal effect of Enguehard chrysanthemums and adiantum with streamers of pink lavender ribbon. Marche exhibited a table decorated with bouvardia and white chrysanthemums and furnished with Japanese china. The centre was a large vase of white chrysanthemums. At each corner were red Japanese slippers with bouvardia and one white chrysanthemum. Here and there were placed bunches of bouvardia with plumosus and streamers of pink chiffon. This table was kept intact during the show.

Geo. Cooke's table was especially effective in a red and green effect. In the centre was a tall vase in shape of a half-opened umbrella filled with American Beauties. On each corner were small umbrellas with Beauties protruding from them, while from the centre to each corner came broad red ribbon streamers. His mantel was decorated with Farleyense fern and a large half-open umbrella of Beauties. Geo. Shaffer's table had a centrepiece of orchids and lily of the valley with streamers of adiantum to each corner; mantel of adiantum, orchids and lily of the valley. Blackistone's table had tall centrepiece with mossed tree effect, filled with yellow pompon chrysanthemums and Farleyense fern with light yellow streamers; mantel decoration, ferns and yellow chrysanthemums. In addition to the above decorations was one by Blackistone of a magnificent autumn basket of yellow chrysanthemums, autumn leaves and yellow ribbon; a chancel decoration in white chrysanthemums under a banner of Southern smilax and plumosus; also shower bouquets of roses and lily of the valley by Shaffer. A basinet by Marche made of tiny flowers, the words "Good Morning" in green and a pair of twins ensconced therein, was one of the chief centres of attraction during the entire show. Another unique exhibit was by Blackistone, a bridal miff made of small white chrysanthemums, showered with adiantum and lily of the valley with streamers of white chiffon and white silk cord and tassels. Mrs. Vernon Ley had on exhibition a fine collection of Nephrolepis, including Superbissima—the only fine speci-

men exhibited in the commercial entries.

During the entire show Pistona's Orchestra furnished delightful music, winding up on Sunday with a sacred concert. On Friday and Sunday evenings Mrs. Cecelia Howard Pentres sang. On Friday evening, by request, Jas. L. Carberry played his new composition, the Florists' Club Two Step. On Friday evening there was given out by Kramer a handsome floral horse-shoe to the league bringing the largest number of men to the show. The U. S. Plate Printers' League won the trophy with twenty-eight members. There were many other interesting innovations, indicating that the Florists' Club of Washington is in the van with something in the exhibition line making appeal to the public interest as well as to that of the grower. And the public responded accordingly.

#### NEW HAVEN COUNTY HORTICULTURAL SOCIETY.

The eighth annual chrysanthemum show of the New Haven County Horticultural Society was held on Nov. 10, 11 and 12 at Music Hall, New Haven, Conn. It was the finest exhibition ever made by the society, the number of entries being fifty in excess of last year. The arrangement of the hall was excellent. The stage was massed with palms and groups of specimen palms were centrally placed in the hall. Among the large exhibitors were Mrs. Francis Wayland, gardener David Kydd; Yale Botanical Gardens, gardener John H. Murray; Mrs. Thomas G. Bennett, gardener Robert Patten; Mrs. O. B. Jennings, gardener Oscar Carlson; Joseph E. Hubinger, gardener A. Bretschneider; Miss Bliss, gardener J. T. Burns, and Frank S. Platt. The judges were Messrs. Dallas of Waterbury, Mahoney of New London, and Zuger of Hartford.

A certificate of merit was awarded to Wm. J. Howe, gardener to Joel A. Sperry, for a sport of Nephrolepis Whitmanii, also for a new seedling canna. A. Bretschneider, gardener to Joseph Hubinger, was awarded a certificate for a new smilax. The judges awarded a special prize to J. T. Burns, gardener to Miss Bliss, for specimen chrysanthemum bush plants. Certificate of merit to W. H. Shumway, Berlin, for seedling carnations.

#### Awards.

Group of plants and flowers, 100 sq. ft., F. S. Platt, Group, 50 sq. ft., A. Bretschneider. Collection of orchids, Adam Patterson, second prize divided between Messrs. Bretschneider and Burns. On the various foliage plant classes Robert Patten won four firsts, one second, Ernest Carroll, gardener for N. W. Kendall, one first, one second; F. H. Platt, one first, A. Bretschneider, two firsts, two seconds; Jas. Bruce, two firsts; John H. Murray, one second; Adam Patterson, one first. In the chrysanthemum plant classes Oscar Carlson won three firsts, one second; J. T. Burns, one first; Adam Patterson, two firsts; John H. Murray, one first, three seconds. In cut bloom classes John T. Burns received one first Oscar Carlson five firsts, three seconds; J. H. Murray three seconds; Adam Patterson, two firsts. In roses the prizes went to H. L. Hill, Wm. Inglis and John T. Burns. In collections—Wm. Inglis won one first, three seconds; F. H. Kimberly, three firsts; John T. Burns, two seconds; Walter Angus, one first and one second; A. Bretschneider, one first. 100 violets, Walter Angus. Fruit and vegetable classes were well filled.

#### NEW JERSEY FLORICULTURAL SOCIETY.

Despite the fact that it was Friday and the thirteenth of the month, the twentieth annual flower show of this society was held at its assembly rooms in Orange with more than its usual success. The display was limited by the size of the rooms, but was choice. Besides the usual contributions from its strong growers of chrysanthemums, roses, carnations and decorative plants, Peter Duff appeared in what was a new role, as an exhibitor of a display of three hundred blooms of Cattleya labiata staged in one mass, relieved only by its own foliage and edged with adiantum fern. Nothing superior to this has ever been shown in Orange, although the society is strong in orchid growers.

Specimen oncidiums and cattleyas were displayed by D. Kindsgar, gardener for William Runkle. R. Vincent, Jr., & Sons Co. of White Marsh, Md., staged an entire aable of their decorative pompon chrysanthemums, including their choice new varieties, arranged with three varieties of contrasting colors in a vase. First class certificates were awarded both exhibitors. Among the local trade Popkin & Collins received cultural certificate for four vases chrysanthemums and first class certificate for specimen ilex. Other awards were: S. and A. Colgate, gardener Wm. Reed, five firsts on chrysanthemums, second on roses, first on carnations; A. C. Van Gasbeck, gardener John Dervan, on chrysanthemums, three firsts, five seconds, first on roses and vegetables; Chas. Hathaway, gardener Max Schneider, on chrysanthemums, one first, two seconds; A. Pausch, second on carnations, third on roses. John Crosby Brown, gardener Peter Duff, first on display of orchids.

J. B. DAVIS.

#### NEW ORLEANS HORTICULTURAL SOCIETY.

The chrysanthemum show opened on Nov. 12 in Washington Artillery Hall, with the most extensive, beautiful and valuable exhibits ever brought together in this city. The trade has responded generously in every class, but the public has been indifferent, and the disposition now is to abandon this annual show in future. The table decorations were a leading attraction and Joseph A. Schindler & Co. won the first prize. Chrysanthemums were the required flower, but J. A. Newsham had a dainty decoration in orchids and maidenhair ferns that attracted merited attention. In plants Metairie Ridge Nursery won 10 firsts, 5 seconds; Henry Cook's Sons, 2 firsts, 3 seconds; J. A. Schindler & Co., 2 firsts, 2 seconds; Chas. Fble, 2 firsts, 1 second; C. W. Fichting, A. Aloni, 1 first each; Henry Kraach, gardener to Lawrence Labacher, 2 firsts, 1 second. In cut blooms the Metairie Ridge Nursery secured practically all the firsts, H. C. Prescher and Abele Bros. dividing honors on the seconds.

Several entries of shrubs and foliage plants, not for competition, received special mention. The Stecher Seed Co. made a fine showing of seeds, garden tools, etc., and received special mention.



### NEW YORK HORTICULTURAL SOCIETY.

The New York Horticultural Society aided and abetted by the New York Florists' Club, made good their promise and presented the New York public with an exhibition this week more in keeping with the possibilities of this great floricultural community than New York has seen for a long time. It was at the American Museum of Natural History, which is a public building, and hence the question of financial returns was eliminated, the funds for the prizes being donated without reserve. The attendance was satisfactory and the promoters feel greatly encouraged as regards the future, this affair being looked upon in the light of an experiment, somewhat. Great things are already predicted for next year.

The class for specimen plants drew cut exhibits which for cultural perfection have rarely been equalled in America. Peter Duff, gardener for J. Crosby Brown, was the winner in every class except one,—that for three specimens—in which W. H. Waite, gardener for S. Untermeyer, led. In cut blooms, Mr. Reynolds, grower for Samuel Thorne, and Harry Turner, gardener for Howard Gould, held precedence, Miss A. Jennings, S. Untermeyer and F. R. Pierson Company leading in the pompon and single-flower classes.

There was a liberal showing of carnations, F. R. Pierson Company being largely represented and winning in all the one-hundred classes; C. L. Bauchere, F. Untermeyer, F. Potter and M. B. Metcalf were the other winners. In roses the entries were disappointingly small, W. Rockefeller, S. Untermeyer, F. W. Howes and J. J. Biker having the classes to themselves.

In the decorative plant section, Julius Roehrs Co., first, and Howard Gould, second, on table of stove and greenhouse plants; Julius Roehrs Co. with 100 ft. group of palms, etc., and E. H. Weatherbee with a table of ferns, Bloomingdale's with ferneries and window boxes, were the main contributors and they all did splendidly. It was in the orchid displays, however, that the greatest interest centered. Here Julius Roehrs Co., Lager & Hurrell, Mrs. B. B. Tuttle, gardener M. J. Pope, Clement Moore and S. Untermeyer came to the front and the combined result of their efforts was a superb triumph of rich and rare tropical brilliancy. Jos. Mundas Laeche-Cutleya Irene won the prize for best novelty not before exhibited.

In the decorations and floral pieces, W. W. Burnham decorator for Bloomingdale's came to the front and showed some excellent specimens of bridal work and other floral effects which will undoubtedly be found to his credit and the floral nature on his house, which he has very conservatively completed in the past, and which are likely to be the most successful with a floral theme in the valley and which are the best of the valley. He was followed by a group of photographers, including N. J. B. Cooper, gardener Wm. Robertson,

for the Rose wedding on Wednesday afternoon. It was commented upon as a novelty of more than usual merit.

Special awards were as follows: Certificates of merit to C. H. Totty for new Pink Canadian seedling chrysanthemum; J. D. Cockcroft, for carnation Georgia; Wanoka Greenhouses for carnation Wa-no-ka; Mrs. B. B. Tuttle, for Vanda Sanderiana; H. A. Dreer, for Nephrolepis Scholzei. Silver medal to F. R. Pierson Co. for a magnificent exhibit of White Killarney rose, Waban variety. Diplomas to Lager & Hurrell for group of orchids; F. R. Pierson Co. for carnation Gov. Hughes. Cultural certificate to Harry Turner for Celosia Pride of Castle Gould.

### RHODE ISLAND HORTICULTURAL SOCIETY.

The annual show held at Providence on Nov. 11-12 surpassed any previous effort. While the number of entries in the chrysanthemum classes is not so large as on some similar occasions, the showing was by far one of the finest in point of character seen in many years. Few inferior plants or blooms were to be found. Dahlias, roses and orchids were displayed, the latter from Seth A. Borden of Fall River, Wm. Appleton, Wm. Hill and C. H. Hunt had large exhibits of ferns and foliage plants. Among the dahlias shown by G. H. Walker was his new Gigantea. S. J. Goddard showed carnation Georgia; S. Kinder, a new seedling, carnation, a deep crimson, a beautiful flower. Melrose Gardens showed Rhea Reid and White Killarney roses; John Gerrard violets.

Geo. McWilliam, A. A. Hixon and W. H. Hill were judges and the prizes on chrysanthemums went to John A. Macrae, F. Macrae & Son, and Seth A. Borden. John A. Macrae captured all the firsts on carnations; Seth A. Borden led in display of orchids.

### SUPPLEMENTARY AWARDS PHILADELPHIA FALL SHOW.

William Kleinheinz took first honors in both American Beauty roses and carnations. Jno. Hedland and Samuel Batchelor were also creditable prize winners in this section. A special mention went to the commercial lots of carnations exhibited by the Millbrook Lea Greenhouses and Edward A. Stroud. Joseph Heacock exhibited his new carnation Dorothy Garden, for which he was awarded honorable mention, as was also Edward Towill for roses My Maryland and Mrs. Jardine. Robert Scott & Son received special mention for roses White Killarney, Duchess of Wellington, and Mrs. Jardine.

Among the prize winners in the vegetable department were Mrs. E. C. Lentold first, Countess Santa Eulalia, second, John Gaynor, second in collection; William Bell Wright in cauliflower; George T. Bodine, gardener John Morrow, Miss Mort, gardener U. D. Brown; Mrs. John Layton, gardener J. Little; Mrs. Wm. J. Potts, gardener Wm. J. Henderson; C. B. Newbold, farmer Wm. Holyston, J. B. Cooper, gardener Wm. Robertson,

### WORCESTER COUNTY HORTICULTURAL SOCIETY.

The Worcester County Horticultural Society held a very successful chrysanthemum exhibition on Thursday afternoon and evening, Nov. 12, in their hall in Worcester, Mass. The quality of the exhibits and the arrangement of the hall received many favorable comments. Those who have visited other shows this season were of the opinion that the Worcester one had not been excelled.

In the exhibit of cut blooms the greenhouses of Mrs. J. C. Whitin, Geo. W. Knowlton, M. J. Whittall, H. F. A. Lange and L. C. Midgley were well represented by choice specimens of the standard varieties. The feature of the show was considered to be the six semi-circular groups of plants and flowers arranged at the sides of the hall, each group occupying a space 8 x 12 ft. The prizes were for the best arranged group. Edward W. Breed of Clinton led with a display of palms, bay trees, araucarias and ferns, interspersed with cut blooms of Chadwick, Mrs. Jones and Golden Dome chrysanthemums. The border consisted of the anemone flowered Garza and Jerusalem cherries. H. F. Littlefield of Worcester received second with lilies, American Beauties, Bride roses and lily of the valley tastefully arranged with palms, ferns and cherries. H. F. A. Lange had a beautiful display of chrysanthemums, lilies, roses and carnations. The roses in this exhibit were well grown and greatly admired. Among the new ones were Mrs. Jardine, My Maryland and Queen Beatrice. Lorraine begonias, Saintpaulia and Farleyense ferns were used to great advantage. C. D. Mackie displayed fine blooms of Golden Wedding, Eaton and Bennaffon, Killarney roses, lily of the valley, with the new smilax, The Fairy. From the M. J. Whittall greenhouses there were well grown chrysanthemums in variety grown to a single stem, ferns and asparagus. L. C. Midgley of the Worcester Conservatories in his group had a large variety of roses and single chrysanthemums.

In the library the display of apples was of great merit. The prizes given them were from the Eames fund.

### THE MT. KISCO SHOW.

The sixth annual flower show of the Northern Westchester County Horticultural Society was held in Mt. Kisco, N. Y., Nov. 6, 7, 8. It was a nice, clear-cut and well-arranged affair, and reflects credit on all concerned. I wish some of the local men had reported it, as they could do justice to the exhibition. I can merely mention it briefly as I took no notes, being a stranger there. The chrysanthemum part was very good, the most notable class being 23 for the \$100 silver cup given by Howard F. Bailey, a broad-minded and whole-souled merchant of Mt. Kisco. It was won by Wm. Duckham of Madison, N. J. Ed. Jenkins of Lenox, and another, were in competition. The groups and other classes were very creditable. Carnations were very good but the rose classes might have been fuller. The vegetable classes were very fine. In class 27 for "10 varieties for table use" there were nine entries, and no man need be ashamed

## WE ARE HEADQUARTERS FOR THE **RIGHT STOCK OF WHITE KILLARNEY**

There are other white sports of Killarney, but we consider the stock which we offer — the WABAN variety — superior to all others

### **When You Buy From Us**

You get stock of the variety exhibited by us and the Waban Rose Conservatories this Fall, which was awarded the silver cup at the National Flower Show at Chicago, and which, wherever exhibited, has received the highest commendation. It undoubtedly is

### **The Best White Rose Ever Introduced**

Our attention was called to this rose last winter, and recognizing its great value as soon as we saw it, we purchased half the stock. We are growing it in large quantities in our Scarborough greenhouses, and will be glad to have any one interested in it visit us and see it growing.

The large growers, instantly recognizing its value, have placed orders for large quantities, so that our advance orders are very large, and the demand promises to be very heavy, judging by the number of orders already booked; but we have enough stock either potted or rooted to fill advance orders, and can still promise early delivery of all orders received now.

### **Order at Once to Ensure Early Delivery**

Orders will be filled in rotation as booked, delivery beginning March 1st, 1909.

**Strong Plants, 2 1-2 in. pots, own-root, \$30.00 per 100; 250 for \$70.00; 500 for \$125.00; 1000 for \$250.00**

**Grafted Plants, \$5.00 per 100 additional**

**F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK**

of what was staged, for they were as fine a lot as I ever looked at, and it was no cinch to tell whose was the best for they were all fine. A feature of the exhibition was that it was to be open Sunday so as to give everyone a chance to see it. I understand the Garage Building, where it was held, was given free by its public-spirited proprietors.

The offices of this Society are: Pres., Wm. Will, Katonah, N. Y.; Vice-Pres., A. L. Marshall, Katonah, N. Y.; Sec., Herbert Spavins, Mt. Kisco, N. Y.; Treas., Hugh Birch, Bedford Station, N. Y.; committee of arrangements, A. L. Marshall, J. Reilly, M. J. O'Brien and Wm. Barclay; Herbert Spavins, manager. Mr. Spavins was a busy man, not only in his official capacity, but his home was thrown open to guests and visitors, and those of us who were fortunate enough to partake of his hospitality will remember him and the hostess for many a day. R.

#### LENOX HORTICULTURAL SOCIETY.

At the recent exhibition of the Lenox Horticultural Society, Oct. 28 and 29, the following new chrysanthemums exhibited by Chas. H. Totty, Madison, N. J., received certificates of merit: Merstham Blush, Chas. H. Totty, Merstham Crimson and Mrs. O. H. Kahn. Elmer D. Smith, Adrian, Mich., also exhibited Leslie Morrison, an immense flower. Frank Payne, Mrs. Phillips, and Mrs. G. W. Pook, the first two receiving certificates of merit. E. Jenkins, Lenox, also received a certificate of merit for new single white chrysanthemum, Anna.

GEORGE H. INSTONE, Sec'y.

#### A NOTABLE EVENT FOR 1910.

The greatest exhibition of orchids ever given on this continent will undoubtedly materialize from the plans being perfected by the Massachusetts Horticultural Society for an orchid show to be held in the latter part of May, 1910, at Horticultural Hall, Boston. A prize of \$1000 for group of orchids and many other prizes, unusually liberal, with a large number of gold and silver medals, are expected to bring out a big response from foreign as well as American growers of high repute. A year and a half for preparation for such a notable event is considered none too much.

#### LOCAL FLOWER SHOWS.

**High Point, N. C.**—Annual chrysanthemum show, Nov. 5.

**High Point, N. C.**—The annual chrysanthemum show was held Nov. 5.

**Hazlehurst, Miss.**—There was a well attended flower show here on Nov. 12.

**Owings, S. C.**—The Royal Florists' Society held its flower show on Nov. 4.

**Freeport, Ill.**—Mrs. S. S. Meise made her annual display of chrysanthemums on Nov. 7.

**Rochester, N. Y.**—Highland Park chrysanthemum show opened Nov. 8 for two weeks.

**Logansport, Ind.**—G. H. Minx, florist at Longcliff, held a public chrysanthemum show Nov. 3.

**Yorkville, S. C.**—The ladies of the Presbyterian church held their annual flower show on Nov. 1.

**Randolph, Vt.**—H. M. Totman held a public exhibition of chrysanthemums in his greenhouses Nov. 6.

**Marion, S. C.**—Civic League chrysanthemum show, Nov. 6, with exceedingly fine displays and large attendance.

**Crystal Springs, La.**—The Floral Club held a successful flower show on Nov. 12, 13, with a much larger exhibit than before.

**Cashtown, Pa.**—The flower show on Nov. 7 attracted visitors from all parts of the county. The collection surpassed all previous efforts.

**Elkhart, Ind.**—Nov. 12 was chrysanthemum day at Van Aken Bros. and the occasion attracted crowds to their houses.

**Columbus, O.**—4000 people accepted the invitation of Supt. Underwood of Franklin Park to inspect the chrysanthemums on Nov. 8.

**Waynesboro, Va.**—The chrysanthemum show on Nov. 7 attracted visitors from a distance as well as the flower lovers of the town.

**Milwaukee, Wis.**—Mitchell Park was the mecca for 12,000 persons on Nov. 8, and the greenhouses will be open to the public for two weeks.

**Crawfordsville, Ind.**—McDonald & Steele displayed especially fine chrysanthemums on Nov. 13, 14 at the Y. M. C. A. Building. A. S. Pett was in charge.

**Little Rock, Ark.**—The State Floral Society held its flower show Nov. 11-14. H. W. Buckbee's chrysanthemum Arkansas made its first appearance there.

**Moncton, N. B.**—Frazer Bros. held a flower show for the benefit of the Ladies' Aid Society, at which the col-



## SOMETHING TO GROW OVER

The Best Christmas Novelty Ever Offered

# POINSETTIAS

With Foliage as Natural as the REAL

This Poinsettia is an Absolute Reproduction of the Natural. Five Sizes.

CHRISTMAS FOLDER AND PRICE LIST READY NOW.

## PITTSBURG CUT FLOWER CO., Ltd.

222 Oliver Ave., PITTSBURG, PA.



lection of orchids was especially noteworthy.

**Washington, Ia.**—The Fortnightly Club held a chrysanthemum show on Nov. 10 at the Keck greenhouse. The proceeds go to the adornment of the public parks.

**Danville, Ill.**—H. D. Caldwell, chief gardener at the Soldiers' Home, estimated that 1500 passed through the greenhouses on the opening day of the flower show, Nov. 8.

**Victoria, B. C.**—Carnegie Library was the scene of the flower show on Nov. 5, 6, and among the commercial exhibitors were A. J. Woodward and Fairview Greenhouses.

**Poughkeepsie, N. Y.**—Supt. Howells has an especially beautiful collection of chrysanthemums for the enjoyment of the visitors to the city greenhouse on College Hill this month.

**Washington, D. C.**—"Triumphs of floriculture", the chrysanthemums shown by G. C. Shaffer were pronounced, and his store was thronged the first of November with the interested public.

**Denison, Texas.**—The flower show on Nov. 11 attracted both visitors and exhibitors from a distance, J. W. Vestal & Son of Little Rock and E. D. Smith & Co. of Adrian, Mich, being represented with novelties.

**Alameda, Calif.**—Mrs. J. C. Seigfried opened her conservatories and grounds for the benefit of the Adelpian Club on Nov. 11 and 12. The Seigfried collection is a notable one and attracted a vast throng.

**Chicago, Ill.**—In addition to the unusually fine display of chrysanthemums and orchids at Lincoln Park, Supt. Frey has this year added the charm of music on Sunday afternoon, Tuesday and Thursday evenings.

**Detroit, Mich.**—The horticultural building at Belle Isle was transformed into a bower of beauty by Supt. Unger and his assistants on Nov. 8, the first day of the purple chrysanthemum show. 25,000 blooms were in evidence.

In our account of the Lenox, Mass., exhibition, in a recent number, we inadvertently omitted to mention the award of a diploma to A. Dreer for *Nephrolepis Scholzei*.

### COMING EVENTS.

**Baltimore, Md.**—Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

**Indianapolis, Ind.**—State Horticultural Society, Dec. 2, 3.

**Columbus, O.**—Columbus Horticultural Society, flower show, first week in December.

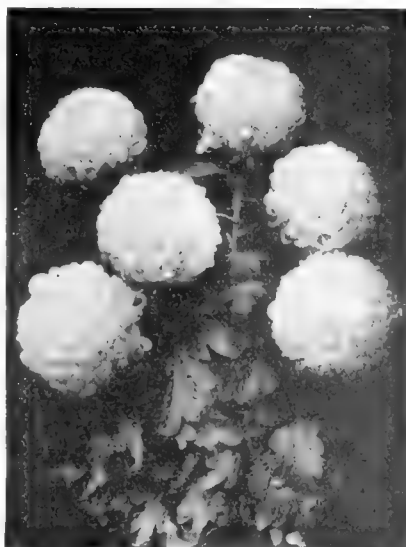
**Springfield, Mo.**—Missouri Horticultural Society, Dec. 8, 9.

**Spokane, Wash.**—National Apple Show Association, Dec. 7-12.

**Lynchburg, Va.**—Virginia Horticultural Society, Jan. 6-8, 1909.

**Indianapolis, Ind.**—American Carnation Society, Jan. 27, 28, 1909.

In the haste due to handling the mass of exhibition reports received last week several errors slipped through our issue of November 14, undetected until too late to correct them. The specimen plant illustrated on page 639 as winner of first prize in Boston was Garza, not Merza. A part of the prize awards at the Hartford show got shunted over to the column of prizes at the Nassau County Horticultural Society. The prize awarded to Poehlmann Bros. for 100 blooms of best new rose at Chicago was for My Maryland.



PRESIDENT TAFT

Elmer D. Smith's New Pure White Incurved Chrysanthemum.

### NOTES ON PROMISING CHRYSANTHEMUM NOVELTIES.

As many of HORTICULTURE's readers will be buying the novelties among the chrysanthemums which will be distributed next spring, and few have had the opportunity of seeing them, I have grown a number and were I asked to name the three best of these I should place Leslie Morrison first, followed close by Frank Payne and the new single Anna; in fact, it is hard to relegate the latter to even third place, as it is a charming pearly white in color, with twisted petals, and is such an ideal grower that it will easily outrank all other singles. The large exhibition kinds described individually are as follows:

**Leslie Morrison.**—A perfect model in foliage, stem and constitution, bloom of the largest and the face of petals a rich crimson with buff reverse. **Merstham Blush.**—A lovely color, and without a fault in habit. **Mrs. Phillips.**—The shape of this flower is rather flat, but it is of good breath and as good a pink as there is in existence. **G. W. Pook.**—Very dwarf, grand stem and foliage and a pleasing terra cotta color. **Miss Violet Pearson.**—A large buff flower, sound as a bell when at its best, and a general good doer. **Rose Pockett.**—Color, old gold, with fine twisted drooping petals and the foliage well up to the flower. **Frank Payne.**—Deep blush, good form, very large and foliage of the best. **Pockett's Surprise.**—A large bronze flower with rich crimson petals if reflexed, a good grower. **Mrs. Charles Totty.**—Dwarf in habit, a fine light pink in color and a good keeper. **Mrs. Rider Haggard.**—A very deep flower of a good white color but somewhat poor in growth this year. **President Taft.**—A splendid white, hardly large enough for exhibition. It is the white of Mrs. Jerome Jones and its foliage and stem are perfect. **Hamilton.**—A splendid early pink, good for commercial or exhibition. **Bessie Evans.**—A very tall grower, but a good late pinkish white.

Lenox, Mass. **EDWIN JENKINS.**

### CATALOGUES RECEIVED.

**A. Mitting, Santa Cruz, Cal.**—Folders of New Small Fruits, Roses and Geranium Mrs. Parker, variegated zonal.

**M. Herb, Naples, Italy.**—General Catalogue of Seeds, Flowers and Vegetables, Conifers, Palms and Fruits for 1908-09. Printed in English, German and French.

# WHITE KILLARNEY

**"WABAN CONSERVATORIES VARIETY"**

**AWARDED A SILVER MEDAL AT BOSTON AND CHICAGO**

Own Roots							Grafted Stock						
Doz.	100	250	500	1000	2500	5000	Doz.	100	250	500	1000	2500	5000
\$5.00	\$30.00	\$70.00	\$125.00	\$250.00	\$562.50	\$1000.00	\$6.00	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00

**ORDER FROM**

**WABAN ROSE CONSERVATORIES, Natick, Mass., or, Salesroom—3a Somerset St. Boston**

**PLANTS READY FOR DELIVERY AFTER MARCH 1, 1909**

## BULBS—SPECIAL TO CLOSE OUT

**LILium LONGIFLORUM Japan Grown.** 7-9 in., 300 to the case, \$6.00 per 100, \$50.00 per 1000.

**LONGIFLORUM GIGANTEUM.** 7-9 in., 300 to the case, \$7.50 per 100, \$67.50 per 1000.

**FREESIA REFRACTA ALBA.** We have a small surplus of the largest sized French-grown bulbs. Mammoth bulbs, 3/4-inch up, \$7.50 per 1000 as long as unsold.

**LILY OF THE VALLEY, Cold Storage.** For immediate forcing. Finest quality, case of 250, \$4.00; case of 500, \$7.50; case of 1000, \$14.00; case of 2500, \$32.50.

**DUTCH HYACINTHS.** Selected named varieties. First size, \$5.00 per 100, \$45.00 per 1000. Fine named varieties, second size, \$4.00 per 100, \$35.00 per 1000. Separate colors, singles, \$2.50 per 100, \$23.00 per 1000. Miniature, or Dutch Romans—very profitable stock for growing—finest named varieties in white, pink, and blue, \$2.00 per 100, \$18.00 per 1000.

**TULIPS.** A few of the leading varieties, which we can supply in quantity, as follows: Joost van Vondel, \$1.50 per 100, \$12.50 per 1000; La Reine,

\$1.25 per 100, \$9.00 per 1000; Pottebakker White, \$1.25 per 100, \$10.00 per 1000; Proserpine, \$3.00 per 100, \$27.00 per 1000; Rose Grisdelin, \$1.50 per 100, \$12.00 per 1000; Yellow Prince, \$1.00 per 100; Bouton d'Or, \$1.00 per 100, \$8.00 per 1000; Gesneriana Spathulata, \$1.25 per 100, \$11.00 per 1000; Darwins, \$1.00 per 100, \$9.00 per 1000; Picotee, \$1.00 per 100, \$8.00 per 1000; La Candeur (double white), \$1.50 per 100, \$12.00 per 1000; Murillo (double pink), \$2.25 per 100, \$19.00 per 1000.

**NARCISUS.** Golden Spur, \$1.75 per 100, \$15.00 per 1000; Empress, selected, double-nosed, \$2.00 per 100, \$18.00 per 1000; Emperor, \$1.75 per 100; Princes, 80c. per 100, \$6.50 per 1000; Single Von Sion, \$1.25 per 100, \$10.00 per 1000; Mrs. Langtry, 75c. per 100, \$6.00 per 1000; Orange Phoenix, \$1.25 per 100, \$9.00 per 1000; Paper White Grandiflora, \$1.25 per 100, \$9.00 per 1000; Poeticus, 60c. per 100, \$4.00 per 1000; Barri Conspicuous, 80c. per 100, \$6.50 per 1000; Victoria, \$2.00 per 100.

**ROMAN HYACINTHS, PINK.** \$2.25 per 100, \$20.00 per 1000.

**SPANISH IRIS.** All colors mixed, 40c. per 100, \$2.00 per 1000.

**GLADIOLI.** Colvilli Alba, "The Bride," 75c. per 100, \$6.00 per 1000; Peach Blossom, \$1.75 per 100.

For complete list of bulbs, see our wholesale price list.

**F. R. PIERSON CO. TARRYTOWN-ON-HUDSON, NEW YORK**

## NEWS OF THE CLUBS AND SOCIETIES

### MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

The November meeting of the society was well attended, everyone being anxious to know how the society made out financially with the flower show. In more than one way it has been our most successful show; and the attendance is the best we ever had. In a great measure this is due to the individual members pushing the sale of tickets. We have a nice balance in our treasury, too, by the way. Officers for ensuing year were nominated as follows: President, Harold B. Vyse; vice-president, Thomas Stokes; treasurer, Wm. Duckham; secretary, Edw. Reagan; executive committee, Percy Herbert, Robert Tyson, A. Her- ington, C. J. W. Ottolauder, Wm. G. Badgley, A. R. Kennedy, C. H. Totty, Ernest Wild, R. M. Schulz, Wm. Muhlmichael, David Falconer, Joseph A. Manda. Special cash awards were voted to H. B. Vyse for grapes and display of Lorraine begonias; A. Her- ington for specimen chrysanthemum with 800 flowers,—award goes to the grower, Robert Tyson; Wm. Muhlmichael for his monster Boston fern; Percy Whaites for his honey and seed corn. C. H. Totty and R. M. Schultz gave their impressions of the Chicago show, which were highly complimentary to the western growers. Carnations and roses were beyond anything they had ever seen in the east. The annual election of officers takes place Dec. 9.

E. REAGAN.

### FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The regular meeting of the Florists' and Gardeners' Club of Rhode Island was held Nov. 16. The following officers were elected for 1909: President, Chas. S. Macnair; vice-president, Robert Johnston; secretary, Wm. E. Chappell; treasurer, Wm. Hill; librarian, E. H. Appleton; executive committee, Cornelius Haristra, E. H. Appleton, James Hockey.

It was a very spirited meeting with about two-thirds of the membership present. James Dillon of Swan Point Cemetery exhibited a number of branches well-berried of a sport from Euonymus radicans. After the meeting refreshments were served and a jolly good time was enjoyed.

W. E. CHAPPELL.

### NORTH SHORE HORTICULTURAL SOCIETY.

This society held its regular bi-monthly meeting, Nov. 6; the speaker was Eric Wetterlow; subject, Chrysanthemums. A well received paper was read. Chrysanthemums as good as the best were shown from the Thayer, the R. C. Hooper and the Lester Leland estates. The discussion committee reported good results from its circular notices sent out in advance of each meeting. Refreshments were served as usual.

ROBERT A. MITCHELL.

### SPRINGFIELD, (O.) FLORISTS' CLUB.

At the meeting on Nov. 10 a notable display of chrysanthemums and carnations was made by C. L. Reese, who briefly explained his methods of growing and casually added that he grew the vases as well as the flowers. These proved to be shapely gourds. The construction and heating of greenhouses was the topic for the evening, the vacuum system receiving marked attention. Opha Jackson promised an address later on from an expert in this system. Mr. Mellen reported that E. C. Hill could address the club on his European trip on Dec. 14, and it is probable that the December meeting will be changed to that date. C. A. Reese and C. C. Leedle were appointed a committee to outline a plan for a flower show next fall. The new houses recently erected by Chas. Unglaub, Gustav Schneider and the Leedle Rosary Co., with the enterprise of Mr. Reese and other retailers, have given a strong impetus to the business here.

## CAN YOU BEAT IT?

	per 100
Hyacinths, all colors mixed	\$2.00
Narcissus, mixed	1.00
Tulips, mixed	1.00

**W. ELLIOTT & SONS**

42 Vesey St., New York



Chrysanthemums,  
American Beauties, Rich-  
monds, Killarneys, Brides and  
Bridesmaids, Carnations, all varieties  
Valley, first quality, Violets, Easter and  
Calla Lilies, Smilax, Sprenger, Plumosus.

**BOSTON, MASS.**

**HENRY M. ROBINSON & CO.**

Wholesale Commission Florists



**SATISFACTION  
GUARANTEED.  
WE NEVER  
DISAPPOINT.**

**ORDERS  
PLACED WITH  
US  
MEANS THAT YOU  
CAN DEPEND  
ON US.**



**Hardy Cut Evergreens and Florists' Supplies**

We have the stock, can fill all orders, no order too small or too large. Write, telegraph or telephone. Orders filled promptly, properly and to your satisfaction.

**15 Province St., and 9 Chapman Place**

**Telephone 2617-2618 Main**

Southern Wild Smilax, Extra fine quality Hardy and  
Dagger Ferns, Brilliant Bronze and Green Galax,  
Cut Boxwood Sprays, Best quality Leucothoe  
Sprays, Laurel Wreaths, Laurel  
Festooning and Branch Laurel,  
Green and Sphagnum Moss,  
Partridge Berries.



#### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The club meeting on Nov. 17 was one of the best held during the year, about 150 members being in attendance. The committee on affiliation with the C. S. A. through their chairman, James Wheeler, reported that they did not consider affiliation would be advisable at present; the report was accepted. A communication was read from Prof. E. A. White of the floricultural department of the Massachusetts Agricultural College announcing a special short course for students in horticulture from January 4 to March 10, 1909. Six new names were added to the membership roll.

Nominations of officers for 1909 being in order, F. E. Palmer in a neat speech placed the name of Eber Holmes before the meeting for president; M. A. Patten seconded the nomination; Thos. J. Grey named Wm. Downs; J. K. M. L. Farquhar seconded; James Wheeler named F. E. Palmer. The names of W. J. Kennedy, J. W. Duncan and Kenneth Finlayson were presented for the office of vice-president. For secretary and treasurer there were no nominations except those of the present incumbents of the office, W. N. Craig and Edward Hatch. For executive committee the following were nominated: Peter M. Miller, Robert Cameron, J. K. M. L. Farquhar, William Sim, Peter Fisher, James Wheeler, William Ross and Wilfrid Wheeler.

The tables were well filled with a fine assortment of plants and flowers. The report of the committee was as follows: Peter Fisher for seedling carnations No. 1721 and 1910;

E. B. Beals, ten vases white seedling carnations; S. J. Reuter & Son, carnations Splendor and Pink Pearl. Report of superior merit to S. J. Reuter & Son for rose My Maryland. Report of merit to Robert Craig Co. for chrysanthemum Baby Margaret; H. F. Woods, white sport from chrysanthemum Timothy Eaton. Vote of thanks to Peter Fisher for seedling carnation No. 1721, and for vase of mixed seedlings; Montrose Greenhouses, ten vases mixed roses; D. Finlayson, Calanthe Veitchii and Sandhurstiana, and Primula obconica; F. W. Fletcher, violet Baronne Rothschilds.

Peter Fisher spoke favorably of carnation Splendor, which he considered very promising; rose My Maryland at J. H. Dunlop's in Canada looked better than any other when he was there. Mr. Patten spoke of how well that rose showed off at the recent National Show. Duncan Finlayson, speaking of calanthe culture, advised florists to take them in hand; they lasted when cut much longer than roses or carnations; being asked what to feed them with, he replied that cow manure and Clay's fertilizer were his favorite.

Eber Holmes made an eloquent address on how members could help to build up and improve the club. He made many excellent suggestions and hoped every one would work to make the club a pre-eminent one. Joining in the discussion which ensued were Messrs. Patten, Palmer, Kennedy, Wilfrid Wheeler, H. A. Stevens, K. Finlayson, D. Finlayson, and others, all bringing out many splendid ideas. An enthusiastic vote of thanks was tendered to Mr. Holmes.

Mr. Farquhar, speaking of the landscape department of the club, said

that arrangements had been perfected to start a class in a few days, and a teacher had been engaged. The fee would be 50 cents per member per night. On motion of Mr. Craig the sum of \$25 was appropriated to assist the class and Messrs. Farquhar and Pettigrew appointed a committee to see to all arrangements. A letter of congratulation to treasurer Hatch on his recovery and thanks for a box of cigars sent to the meeting was carried. Queries on gladioli for forcing and white scale on cattleyas were answered, which terminated one of the most interesting and helpful meetings the club has ever held.

#### ST. LOUIS FLORIST CLUB.

The regular meeting of the club took place on Nov. 12 at eight o'clock in their new hall in the Knights of Columbus building, this being the first attempt to hold night meetings. Fourteen were present, President Young in the chair. Secretary Bentzen being absent, J. J. Beneke took his place. Among other important questions that of tea leaf waste for fertilizing lawns was discussed and will be resumed at the next meeting. Prof. H. C. Irish promised to give the club the benefit of what he saw and heard at Chicago. A few remarks by our only lady member, Mrs. M. M. Ayres, who made her first appearance, put the members all in good humor. The next meeting will be held on the afternoon of Dec. 10. In January another trial will be given for night meeting as many of our members were in Chicago this week. Should this fail to bring out a large attendance afternoon sessions will be resumed. The president



# THE NEW CRESTED SCOTTII FERN

## NEPHROLEPIS SCHOLZELI

**T**HIS crested sport of Scottii will hold the same position to all the crested forms of Nephrolepis that Scottii now holds to the Boston. It is entirely distinct from all others and will become even more popular than its parent with which it is identical in every way except that the pinnae are subdivided, giving it a beautiful crested appearance.

We have shown the plant at the Exhibitions noted below and have been awarded the following honors:

**Shaw Gold Medal,** St. Louis Horticultural Society November 3rd, 1908. For "Best plant, of decided merit for cultivation, not previously an article of North American commerce."

**Silver Medal,** offered by the Society of American Florists, through the St. Louis Horticultural Society, November 3rd, 1908. For "The most meritorious plants or flowers of American origin."

**Certificate of Merit,** of the Horticultural Society of St. Louis, November 3rd, 1908.

**Silver Medal,** Pennsylvania Horticultural Society, Philadelphia, November 3rd 1908, for the best new plant.

**Certificate of Merit,** Massachusetts Horticultural Society Boston, November 6th, 1908.

**Certificate of Merit,** Dutchess County Horticultural Society, Poughkeepsie, N. Y., Oct. 30, 1908.

**Certificate of Merit,** Morris County Gardeners' and Florists' Society, Madison, N. J., Oct. 30, 1908.

**Certificate of Merit,** Chestnut Hill Horticultural Society, Philadelphia, Pa., Nov. 4, 1908.



NEPHROLEPIS SCHOLZELI

We are booking orders now which will be filled in strict rotation, June 1st, 1909.

Price per dozen, \$3.50; per hundred, \$25.00; per thousand, \$200.00. Twenty-five supplied at one hundred rate and five hundred at thousand rate.

**HENRY A. DREER,** 714 Chestnut Street,  
PHILADELPHIA, PA.

appointed a committee consisting of Messrs. Beneke, Schoenle and Augermüller to prepare for a smoker and entertainment to be held after the regular January meeting, and report in December. After the meeting adjourned refreshments were served at a near-by cafe.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual meeting of this society was held on Saturday, Nov. 14. The sum of \$5000 was appropriated for the use of the prize committee for the year 1909. Officers were elected as follows: President, Stephen M. Weld; vice-president (for two years), Charles W. Parker; trustee (for two years), George B. Dorr; trustee (for three years), William H. Bowker, Peter Fisher, Thomas Roland, Charles S. Sargent; delegate to the State Board of Agriculture (for three years), Wilfrid Wheeler; nominating committee, George V. Fletcher, Thomas J. Grey, Nathaniel T. Kidder, William Sim, William Thatcher.

### CLUB AND SOCIETY NOTES.

Mr. John Farquhar of Boston addressed the Newport Horticultural Society at their meeting on Nov. 10; subject, "Natural Planting of Bulbs and Informal Gardening." There was a large audience and a social hour with refreshments followed the address.

The Ontario Horticultural Exhibition was formally opened on Nov. 9 by Hon J. M. Gibson, the new Lieutenant-Governor, in the St. Lawrence Market. Groups of decorative plants lined the walls and the exhibits were numerous and beautiful. T. Mantou of Eglington, E. F. Collins of the Allan Gardens, H. H. Fudger, were among the leading prize winners.

The Ontario Horticultural Association convened at City Hall, Toronto, Nov. 10, and elected officers as follows: President, H. J. Snelgrove; vice-president, A. R. Whyte; secretary, J. Lockie Wilson, Toronto; treasurer, H. B. Cowan. Laying out small gardens, window boxes in crowded sections, and best methods of keeping summer-flowering bulbs were among the subjects

discussed. H. H. Groff led in a discussion on the latter topic.

The New England Conference on Resources meets on Nov. 23-24, in Tremont Theatre, Boston. On the afternoon of the 23rd Gifford Pinchot of Washington, chief of the forestry service, will speak on the future of the forest trees in New England. The great opportunity for fruit culture will be discussed by Prof. John Craig of Cornell University. It is expected that the governors of all the New England States will attend. Gov. Guild will preside.

### GRAFTED ROSES

Special Bargain Sale  
EXTRA FINE STOCK

Killarney, Carnot, Bride, Bridesmaid

From 3-inch Pots.  
\$2.00 per doz. \$12.00 per 100. \$100.00 per 1000

RICHMOND, BRIDE, BRIDESMAID,  
From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000

WOOD BROTHERS, Fishkill, N.Y.

## Troy's WANT Corner

### WANTED LARGE SHADE TREES.

8 to 10 in. caliper.  
Transplanted.

Write giving full particulars to

**J. H. TROY,**  
24 East 34th St., NEW YORK CITY.

### PITTSBURG NOTES.

It is very gratifying to note that Pittsburgh was well represented at the National Flower Show at Chicago last week, not only as visitors but as successful exhibitors.

The Pittsburgh Rose & Carnation Co. were awarded two first prizes on carnations. Mr. Fred Burki, president of this company, reports that had their shipment of chrysanthemums reached there in time one more prize would have been captured.

An exhibit of Begonia Glorie de Lorraine at the Phipps Conservatory, North Side, is worthy of mention. An extra house is used for this and the condition of plants and baskets are at their best now; it is worth anyone's time to pay a visit. Foreman Moore deserves credit; all local florists should call and show their appreciation.

A beautiful window decoration was seen at A. W. Smith's 6th avenue store last Saturday; a table decoration with a centerpiece of chrysanthemums and roses was the attraction. This firm are extensive advertisers; one of their latest street car advertisements reads: "We get the highest price in the city for violets and still we sell more than any other firm in the city."

The Pittsburgh Cut Flower Co., Ltd., are displaying an artificial poinsettia that is a very fine reproduction of the natural flower. This company had a large sale of the same article last year.

At The McCallum Co., white violets are a novelty.

### CHRYSANTHEMUM SOCIETY OF AMERICA.

#### Work of Committee.

No. 1 Jap. incurved. Color, light pink. Exhibited at New York, Nov. 11, 1908, by George Hale, Seabright, N. J. Scored 85 points exhibition scale.

The name of variety Golden Harvest has been changed to Golden King.

DAVID FRASER, Sec'y.

### A GOOD CHRISTMAS PRESENT.

We Can Supply the Following Books, Post-paid at the Prices Listed.

The American Carnation. C. W. Ward. Price, \$3.50.

Chrysanthemum Manual. Smith. Price, 40 cts.

The Dahlia. By L. K. Peacock. Price, 30 cts.

Manual of the Trees of North America. C. S. Sargent. Price, \$3.00.

The Chrysanthemum. Herrington. Price, 50 cts.

How to Make Money Growing Violets. Saltford. Price, 25 cts.

### OBITUARY.

Joseph Bradford.

Joseph Bradford, at one time a well known florist in Columbus, O., died on November 9, at the age of 78.

Mrs. Ida S. H. Gorman.

Mrs. Ida S. H., wife of Daniel E. Gorman, of Williamsport, Pa., died on November 4, in her forty-first year.

Dr. James Fletcher.

Dr. James Fletcher, botanist and etomologist of the experimental farm in Canada, died recently at Montreal in his fifty-sixth year.

George M. Kellogg.

With the last stroke of the midnight hour on Nov. 15, George M. Kellogg passed away. Since last March, when



GEORGE M. KELLOGG

Mr Kellogg was stricken with pneumonia, he has never recovered his strength. He has been an active and enterprising business man and will be greatly missed in the community. Mr. Kellogg was born in Westfield, Mass., April 16, 1838; at the age of eighteen he removed to Chicago, thence to Kansas in 1857, and in 1867 to Pleasant Hill, Mo., his present home. He built here his first greenhouses in 1888, and opened a wholesale store in Kansas City ten years later. In September, 1907, his entire plant was wrecked by the explosion of the boilers, but with characteristic energy he at once began rebuilding. Mr. Kellogg served on the executive board of the S. A. F., 1897-1899.

Mrs. P. M. R. Pierson.

Mrs. P. M. R. Pierson died on Nov. 12 at her home in Tarrytown, N. Y., aged 80 years. Three sons, Frank R., Paul M. and Lincoln, and three daughters, survive her. Mrs. Pierson has been bailing for the past year and her death was due to old age. Mr. Pierson died two years ago.

## An Exceptional Opportunity for Investment

The first or ground floor issue of stock of any enterprise is necessarily the most liberal; therefore, the best to invest in. A successful GOING concern can obtain all the money required for 6%. A new concern must give more and if you want to make more, you must go in with a new company.

This Company is a new company and has the ear marks of a bonanza right in your own business. We think it is the best proposition in our business in the country TODAY.

There is just as much money in the flower business when properly conducted as in any other and, on an average, probably a great deal more, though we generally try to make ourselves believe the other fellow makes his money easier than we do.

The three essential factors necessary for the success of any enterprise, flower business or any other are: A profitable business to begin with; Competent and reliable men to conduct it; Sufficient capital to finance it. This company lacks only the latter.

Robert Miller, President and Manager of the Company, has made a specialty of growing roses for the market for fifteen years and is a graduate of the Waban Rose Conservatories.

The manager will be insured to the Company for the full amount of subscriptions, making the investments absolutely secure, and in case of death, 100% to the good.

The stock is \$10.00 a share, its par value; it is preferred in principal as well as in dividends. It is voting stock, and is participating and non-redeemable, and is probably the most liberal stock on the market today. It is secured in every possible way against risk of loss.

Bonuses of common stock are given with the preferred according to the amount of preferred purchased.

The plant will be located in one of the Richest Territories of This Country where there is a Superabundance of Sunshine, Cheap Fuel, Elegant Soil, A Tremendous Demand for Flowers, and Practically No Competition.

Do not let this opportunity go by, as first-class investments in our business are not growing any more plentiful, and do not forge the FACT that the first issue of stock is the one you must get if you want more than savings bank interest on your money.

Ask for an interview with the President and he will gladly call on you and explain the proposition in detail unless you live far out of reasonable reach.

Send for circular and get in on the ground floor.

This is not a hole-in-the-ground proposition where you can't see or possibly know anything about it, except by taking the say-so of some high finance juggler, but an all above-ground and above-board proposition that you are just as familiar with as any of the directors and you could direct it yourself without any serious trouble.

This is an age of combination of effort and we want your co-operation.

**THE MILLER FLORAL CO.**  
East Brookfield, Mass.



## Seed Trade

As the time draws near for the annual wholesale and retail price lists to receive their finishing touches before being finally turned over to the printer, seedsmen realize how perplexing a problem they have on their hands to rightly gauge the situation. The statement that this season the problem is one of the most difficult they have ever had to solve will be appreciated by all, yet when the catalogues do appear, it will be found that conditions have been pretty accurately sized up. When we consider the great number of varieties listed by the leading houses, we can say with confidence that few lines of business require a higher or more analytical quality of gray matter than the seedsmen's. This statement suggests the query: Why is this fact not more fully recognized by our law makers and servants in the Department of Agriculture who are urging the enactment of half-baked measures placing irksome and in many instances paralyzing conditions on so important an industry? That there are seedsmen who are no credit to their line of business is not denied, as there are failures in every trade, and if laws curbing this class which at the same time would not work injustice and injury to the great body of honest seedsmen were enacted, there would be little objection.

If the wish is only to restrain the dishonest dealer, why not call into consultation the leading seedsmen, as with their aid and co-operation measures could be framed which would deal intelligently with all just causes of complaint, without at the same time exercising a baleful influence on honest dealers. The most objectionable feature of all proposed legislation is, that all seedsmen are treated *en bloc*, as dishonest.

Does anyone suppose that in framing legislation affecting the manufacturers of chemicals, the leading men in that industry would not be consulted? Yet the opportunities for, and the frauds that are actually perpetrated in that line are vastly greater than the seedsmen of the worst type could possibly be guilty of, and with infinitely more disastrous results. Is it not possible for the seedsmen to bring this fact home to the consciousness of the leading members of Congress?

The writer has been informed, though how correctly cannot now be stated, that the objectionable Mann bill of last winter is to be re-introduced, and pressed if possible to passage. It is said that certain employees of the Department of Agriculture have most zealously been gathering evidence to prove the necessity of such a law as the Mann bill contemplates. It is reported moreover that this is a counter move on the part of the Department to offset the seedsmen in their efforts to kill "free seeds," and they will have little time to agitate against the free seed distribution. While this probably does not fully cover the case, it is worth remembering.

There is a decided shortage in Burpee's Bush Lira, and they are quoted in limited quantities at \$6.00 to \$6.50. Dreer's Bush are quoted at \$.50 to \$.55. The new Fordhook Bush will certainly supplant the Dreer Bush.

Burpee's Improved will in time supplant the Burpee's Bush, Quarter Century Bush and Dreer's Wonder Bush; thus there will be only one strain of this variety, a fact which will be hailed with satisfaction by all seedsmen. The great superiority of these new strains over the old types cannot be fully appreciated until they have been compared in the green as well as the dry state, and the old strains will endure only so long as will require to get sufficient stock seed of the new to bring prices down near the level of the old.

The very sudden advent of winter this week has caught many unprepared, and has resulted in some little damage to plants and tender nursery stock, which had not yet been housed. The sudden drop in temperature from 50 or 60 degrees above freezing to 8 above zero, has caused great discomfort, which has not been tempered any by a fall of 6 to 8 inches of snow, and particularly in the cities.

Several of the California growers are on the wing, and some of them may be expected in the east at any time.

The pea seed growers are talking of a strong advance over last year's prices, and particularly on the "canners' varieties." What with increased freight rates and advances to the farmers, these varieties are costing the growers practically 25c. more per bushel than a year ago, and the growers are to be congratulated on the determination to advance their prices in turn. It is hoped they will stand firm. The demoralizing competition for business among growers has resulted in the cutting of prices below the profit level, and a corresponding craze to cheapen production, has resulted in completely obscuring what should be the chief aim of every producer—the improvement of types. The outcome in the main has been steady deterioration. This question will receive further consideration in the near future.

It is reported that the Brown Bag Filling Machine Co. has been awarded the contract for putting into packets the seeds for Uncle Sam's annual free seed distribution, but it is also said that the work has not yet been commenced. This is extraordinary, as usually some millions of packets have been put up by this time.

Complaints are coming from the Department of the low germination of beet seeds, not one sample coming up to the Government standard, while most samples tested fall so far below as to cause rejection of the shipments represented.

There has been a most gratifying change in business sentiment since the election, optimism having taken the place of doubt and hesitation, and a real improvement is noticeable in all lines. Let the infection go on unchecked.

### NEW FREIGHT RATES ON JAPAN BULBS.

The Trans-Continental American R. R. line has adopted the following transportation rates on bulbs from Japan: \$1.40 per hundred pounds on

## Cold Storage Valley

### "Russian Brand"

Imported and packed by ourselves.  
Large Flowering. Roots  
long and fibrous.

Per 500 \$7.50; per 1000 \$14.00;  
per 5000 \$65.00.

Write for Our Complete  
Wholesale Catalogue.

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

car load lots of 30,000 lbs. minimum and \$1.90 on anything less than car load lots. London shipments from Japan are going very generally via Canada instead of New York as formerly.

### CHANGE OF PARTNERSHIP.

Moore & Simon, seedsmen, 339 Market street, Philadelphia, have dissolved. Clarence Moore will continue the old concern under the title of the Moore Seed Co. I. N. Simon has taken Wesley D. Simon, his son, into partnership and has opened a store at 41 and 43 North Water street, and will make a specialty of seeds for market gardeners. I. N. Simon was in the firm of Moore & Simon for 18 years, while Wesley D. was with the same concern 12 years, and with the Noll Seed Co., Newark, for 4 years.

## TOBACCO

STEMS—STRONG KIND  
100 lb bale \$1.25

**W. ELLIOTT & SONS**

42 VESEY STREET, NEW YORK.



**WIZARD  
BRAND  
MANURES**

**PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE**

Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.  
Best and safest manure for florists' and greenhouse use.

**Absolutely Pure  
No Waste  
No Danger**

Write for literature and quantity prices.

**THE PULVERIZED MANURE CO.**

31 Exchange Ave., Union Stock Yards, Chicago

## SHEEP MANURE

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order  
**ROBERT SIMPSON**  
CLIFTON, N.J.

# RELIABILITY OF AMERICAN GROWN SWEET PEA SEED.

A firm of English sweet pea seed growers has been making efforts to market its own wares by vilifying the American article. Their claim is that American grown seed has proved in England the past few years "very uncertain and unreliable."

Commenting on this Mr. Howard M. Earl, manager for W. Atlee Burpee & Co., Philadelphia, who are probably the largest growers and exporters of this seed, says:—

"I dare say that America supplies a great deal more than half of the sweet pea seed planted in England. My two British assistants were astonished when I told them of our shipping thousands of tons of sweet peas to England in the course of a season and in fact now we are very busily engaged in filling sweet pea orders. If you had gone to California with me last year you would have seen some very, very poor stock which we obtained from the other side. There are stocks and stocks of sweet peas, as you are probably aware, and if E. W. K. & Co. have been purchasing from unreliable dealers in this country they should not make a statement which infers that sweet peas grown in America are entirely unreliable."

Money in Grasses, by Joseph T. Barnebrug, \$1.00, postpaid. Horticulture Publishing Co., 11 Hamilton Place, Boston.

## Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**

6 & 7 South Market Street  
BOSTON, MASS.

## VEGETABLE PLANTS

**Cabbage** Wakefield and Succession, 25c. per 100, \$1.00 per 1000.

**Lettuce** Boston Market, Big Boston, Tennis Ball and Grand Rapids, 25c. per 100, \$1.00 per 1000.

**Parsley** strong plants, at \$1.25 per 1000.

**R. Vincent Jr. & Sons Co.**  
WHITE MARSH, MD.

**A. MITTING**

**Galla Lily Bulb Co.**

Santa Cruz, Calif., U.S.A.

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

**Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify**

**LEONARD SEED CO.**

Growers and Wholesalers of Superior Garden Seeds  
**FLOWER SEEDS—ONION SETS . . . GET OUR PRICES**

79 East Kinzie Street

143 West Randolph Street

**CHICAGO**

**SURPLUS**

*Thorburn's  
Bulbs*

Narcissus Paper White grandiflora  
White Roman Hyacinths, 12/15 c.  
Dutch Hyacinths, double  
Lilium Harrisii 5/7  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Longiflorum Multiflorum,  
6/8 and 7/9

FLORISTS AND DEALERS SEND FOR PRICES

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

MY OWN NEW CROP OF

**Salvia Splendens**

VARIETIES is now ready:

Nana Compacta ZURICH, finest early flowering  
pot salvia in existence, selected seeds.

Compacta Grandiflora FINEBALL, best of all  
for pots and groups, selected seeds.

Grandiflora Amellorata KING OF THE  
SCARLETS, unequalled for line groups, with  
extra large deep scarlet spikes, selected seeds.

Each of above per Tr. Pkt., 50c. 6 Tr. Pkt.,  
\$2.50. Larger quantities on special quotation.

Seedsman

**O. V. ZANGEN, H. BOKEN, N. J.**

**Burpee's Seeds**

PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit

**Onion Seed**

We are extensive growers and dealers.

Write for prices on 908 crop.

Are also contracting now for 1904.

**SCHILDER BROS., Chillicothe, O.**

**BRIDGEMAN'S SEED WAREHOUSE**

**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**STOCK SEED**

FOR WINTER BLOOMING

Our strain of Double Branching Stocks is  
exceptionally true. About 9.7 Double Flowers.

In colors: 1/4 oz. .60 1/2 oz. .75 1 lb. \$4.00  
Pure White 1/4 " .75 " 5.00

**H. E. FISKE SEED CO.**

Faneuil Hall Square, BOSTON, MASS.

Winter-flowering

**SWEET PEA SEED**

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

**READY** For Prompt  
Shipment...

**FRENCH and DUTCH BULBS**

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**Cauliflowers  
CABBAGE**

LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

WE STILL HAVE ON HAND A FEW CASES OF

**Lilium Longiflorum**

JAPAN CROWN

7-9 size 70 per cent. Single Crown.  
Prices on Application.

**THOMAS J. GREY CO.**

32 So. Market St., BOSTON, MASS.

**QUALITY SEED  
BULBS  
PLANTS**

SEND FOR CATALOGUE

**ARTHUR T. BODDINGTON**

342 West 14th St., New York.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1617 BROADWAY, KANSAS CITY, MO  
Both Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists

### NEW YORK RETAIL FLORISTS ORGANIZE.

At the second meeting for organization at the Savoy Hotel nearly 100 prominent retail florists were present. Chas. A. Dards was chosen temporary and subsequently permanent chairman, or rather president; Marshall Clarke, vice-president; George Stumpp, Jr., treasurer, and Herman Warendorf, secretary. The meeting was animated and to the point. Application for papers of incorporation will be made to the legislature. The organization will probably be known as "The Retail Florists Protective Association of New York." This gives opportunity for extending the society's limits beyond the city if necessary.

While secrecy was requested on the art of those present regarding the principal object of the society, it is not

### STEAMER DEPARTURES

#### American.

St. Paul, N. Y.-S'hampton...Nov. 28  
New York, N. Y.-S'hampton...Dec. 5

#### Atlantic Transport.

Minnetonka, N. Y.-London...Nov. 28  
Mesaba, N. Y.-London...Dec. 5

#### Cunard.

Lusitania, N. Y.-Liverpool...Nov. 25  
Ivernia, Boston Liverpool...Dec. 1  
Campania, N. Y.-Liverpool...Dec. 2

#### French Line.

La Provence, N. Y.-Havre...Nov. 26  
La Lorraine, N. Y.-Havre...Dec. 3

#### Leyland.

Devonian, Boston Liverpool...Nov. 25  
Bohemian, Boston Liverpool...Dec. 2

#### North German Lloyd.

Kronpr. Cecilie, N. Y.-Br'n...Nov. 24  
Kronpr. Wilhelm, N. Y.-Br'n...Dec. 1

#### White Star.

Teutonic, N. Y.-S'hampton...Nov. 25  
Baltic, N. Y.-Liverpool...Nov. 26  
Adriatic, N. Y.-S'hampton...Dec. 2  
Cedric, N. Y.-Liverpool...Dec. 3  
Cymric, Boston-Liverpool...Dec. 5

betraying any secret to say the retailers deprecate the acceptance of retail orders by wholesalers and it is hoped that a satisfactory adjustment of this grievance may eventually be brought about.

The meeting adjourned subject to the call of the president.

### NEW RETAIL FLOWER STORES.

Milton, Mass.—E. R. Loring.

Alton, Ill.—Lommel & Madsen, Bowman building.

Lewiston, Pa.—A. Swivel, N. Main St., Albert Hauker, manager.

Boston, Mass.—John O'Brien, 82 Beacon St.; Albert Scott, Beacon and Charles streets.

New York City.—G. Lapp has opened a new store at 22d street and 8th avenue. Jos. Bebus will be manager.

Brooklyn, N. Y.—Louis Michell, employed for many years with Mallon's Sons, has taken the store formerly occupied by Bennet & Blane, wholesale florists, and opened a new retail business.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

NEW YORK

Our Motto—The Golden Rule

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N.Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

F. H. HOUGHTON

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

EDWARD MACMULKIN

194 Boylston Street,

Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

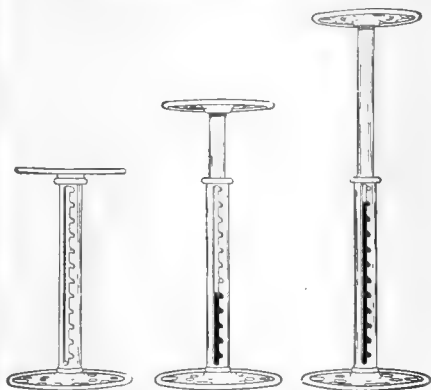
THOS. F. CALVIN

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree  
Street,

ATLANTA, GEORGIA.



# IT'S TIME

"To Make a Noise Like an Order,"

## IF YOU DESIRE OUR ADJUSTABLE PLANT STANDS

for the coming Fall and Winter Horticultural Displays, as we are rapidly selling up our production until that time, and late comers will be disappointed.

Prize winners this season for display and banking of plants will be those equipped with The Moore-Livingston Adjustable Plant Stands.

With three sizes of stands all heights can be obtained from 6 to 48 inches.

If your seedsman or supply house cannot furnish them, write, phone, wire or cable us and we are "Johnnies on the spot" for a prompt reply as to where they can be obtained.

**The Moore-Livingston Co**

MAKERS AND  
PATENTEES

**Lansdowne, Pa.**

PHILADELPHIA OFFICE: Central Trust Building, 4th and Market Sts., Philadelphia

### A NEW YORK CELEBRITY.

The picturesque form of Luc Aubree, more familiarly known as "Frenchy," is one of interest to all who have the good fortune to behold him while in action. His photograph pictures him in characteristic attitude. Dress is not his strongest point, though personal adornment is advanced to the limit. With a huge bunch of oak leaves strapped to his back, a bird's nest or two carried in his hands and an enormous bunch of wild flowers and grass fastened to the lapel of his coat, Frenchy is ready for business.

Although past 73 years of age, he is as supple and active as most men 30 years his junior; he is abundant in humor and a favorite with all whom he may meet. Every florist in Greater

New York knows and patronizes him.

Frenchy, after serving in the French army—having been twice wounded—came to this country, and for the past quarter of a century has been following his calling of greenhouse pedler.



Most of his time is spent in the woods and swamps gathering foliage, pussy willow branches and ferns, the sale of which enables him to exist. Deserving is he of his sobriquet—"The peripatetic woodsman."

### NEWS NOTES.

Rochester, N. H.—E. A. Corson, florist, resumed business in his remodelled store on Nov. 2.

New York, N. Y.—Schumaker & Kessler, wholesalers, have started in business at 113 West Thirtieth St.

Chicago, Ill.—M. Shattls, western representative of Lion & Co., New York, is located at 19 Wabash avenue.

Hudson, Mass.—E. C. Ross has closed his greenhouses on High St. for the winter and will confine his business to his Gates pond road place.

### BUSINESS CHANGES.

Pittsburgh, Pa.—A. J. Neff succeeds L. I. Neff at Smithfield and Oliver Av.

San Francisco, Cal.—It is reported that the Fourth Street Floral Co. has closed its store.

Olean, N. Y.—The Olean Floral Co. is the name taken by W. D. Best and Harry West since the consolidation of greenhouse appliances in this place.

Weymouth, Mass.—Daniel Iliffe has recently located here and intends eventually to manufacture his various greenhouse appliances in this place.

Iowa Falls, Ia.—J. P. Murphy, whose lease of the Smuck greenhouses expires in July, has closed a deal by which he comes into possession of a florist's plant in Independence. It is rumored that Miss Smuck will return to her houses on the expiration of the lease.

### NOTICE

We desire to notify the trade that we are the owners of United States patent No. 489,218 for Floral Figure which claims:



"A florist's letter or figure stamped from a sheet of pasteboard or other suitable material, having an adhesive coating applied thereto and an outer covering of granules of sawdust appropriately colored to represent the petals of the Helichrysium arenarium substantially as described."

Letters which are a direct infringement of this patent are being put on the market and we intend to hold all who make or sell the infringing letters to strict account.

The lawful patented goods are in every respect much superior to the infringement.

**BOSTON FLORIST LETTER CO.**  
60 Pearl St. N. E. McCarthy, Mgr Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

**Public Accountant and Auditor**

Simple methods of correct accounting especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

**28 STATE ST., BOSTON**  
Telephone, Main 58.



### TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.



**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984

### WELL'SLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.


2 Year Field Grown

# RICHMONDS

\$12.00 per 100

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.  
Open from 7 a.m. to 8 p.m.



**Mrs. JARDINE**

Choice blooms of this charming new rose.

**\$8.00, \$6.00 and \$4.00**  
Per 100

QUALITY  
**S. S. PENNOCK-MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia  
"The" Wholesale Florists of Philadelphia

### VIOLETS AND VALLEY

Best Quality on the Market.

**W. E. McKISSICK & BROS.**  
WHOLESALE FLORISTS  
1619-1621 RANSTAD ST.  
PHILADELPHIA

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

**CHAS. W. McKELLAR**  
51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE

**CUT FLOWERS**  
51 Wabash Av., Chicago, Ill.

**DAILY CONSIGNMENTS**

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
41-47-49 WABASH AVE., CHICAGO

**POEHLMANN BROS. CO.**  
33-35-37 Randolph St., - CHICAGO

**CUT FLOWERS**  
Greenhouses, - Morton Grove, Ill.

**Rice Brothers**  
115 N. 6th Street, MINNEAPOLIS, MINN.  
WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.

Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

**AMERICAN BEAUTY** and all other ROSES  
**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

### WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 16		Nov. 16		Nov. 16		Nov. 19	
ROSES								
Am. Beauty, Fancy and Special..	30.00	to 40.00	25.00	to 30.00	30.00	to 35.00	25.00	to 35.00
" Extra.....	25.00	to 30.00	15.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" No. 1.....	20.00	to 25.00	12.00	to 15.00	10.00	to 12.50	6.00	to 10.00
" Lower grades.....	0.00	to 20.00	6.00	to 12.00	6.00	to 8.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special....	6.00	to 8.00	5.00	to 8.00	6.00	to 8.00	4.00	to 6.00
" Lower grades.....	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	.50	to 1.00
Killarney, Fan. & Sp.....	6.00	to 10.00	6.00	to 12.00	6.00	to 8.00	2.00	to 3.00
" Lower grades.....	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	1.00	to 2.00
Richmond, Fancy & Special....	6.00	to 10.00	5.00	to 7.00	6.00	to 8.00	4.00	to 8.00
" Lower grades.....	4.00	to 6.00	3.00	to 5.00	3.00	to 4.00	1.00	to 2.00
Chatenay.....	4.00	to 6.00	4.00	to 7.00	3.00	to 6.00	1.00	to 6.00
Golden Gate Ivory, etc.....	4.00	to 6.00	4.00	to 7.00	3.00	to 6.00	1.00	to 6.00
My Maryland.....	3.00	to 8.00	.....	.....	8.00	to 10.00	2.00	to 6.00
Queen Beatrice.....	3.00	to 8.00	.....	.....	.....	.....	2.00	to 6.00
Mrs. Mar. Field.....	4.00	to 12.00	.....	.....	.....	.....	.....	.....
CARNATIONS								
Fancy and Novelties.....	4.00	to 5.00	2.00	to 4.00	2.00	to 2.50	1.50	to 2.00
Ordinary.....	2.00	to 4.00	1.50	to 2.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Chrysanthemums, Fancy.....	20.00	to 25.00	18.00	to 25.00	25.00	to 30.00	12.00	to 20.00
" Ordinary.....	6.00	to 10.00	8.00	to 15.00	12.50	to 15.00	4.00	to 10.00
Carteblanc.....	50.00	to 60.00	40.00	to 50.00	.....	to 50.00	30.00	to 50.00
Lilies.....	12.00	to 15.00	8.00	to 15.00	12.00	to 15.00	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Narcis., Paper White.....	2.00	to 3.00	2.00	to 3.00	.....	to 3.00	2.00	to 3.00
Roman Hyacinth.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Peas.....	.....	to 1.00	.....	.....	.75	to 1.00	.75	to 1.00
Gardenias.....	40.00	to 50.00	40.00	to 50.00	.....	to 50.00	.....	.....
Violets.....	.....	to 1.00	.50	to .75	.75	to 1.00	.75	to 1.00
Adiantum.....	.75	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	10.00	to 15.00	12.50	to 15.00	10.00	to 12.50
Asparagus Plumosus, strings.....	40.00	to 50.00	35.00	to 50.00	35.00	to 50.00	25.00	to 50.00
" " & Spren. (100 bchs.)	15.00	to 20.00	35.00	to 50.00	35.00	to 50.00	15.00	to 25.00

**J.A. BUDLONG**  
37-39 Randolph Street, CHICAGO.

Roses and Carnations  
A Specialty..... WHOLESALE CUT FLOWERS  
GROWER of

**Big Christmas Trade**

YOU CAN'T ESCAPE IT IF YOU ADVERTISE  
FOR IT IN HORTICULTURE'S

**BIG ANNIVERSARY NUMBER**  
**DECEMBER 12**

## Flower Market Reports.

The market begins to feel the oncoming of Thanksgiving Day, and this, together with the football call for certain specialties and the nearness of the winter season, has a tendency to jack up values, and our next week's report will probably show quite an advance all along the line. At present the only elevation is on certain leading lines, such as American Beauty roses, violets and the fancy grades of chrysanthemums. The latter, especially the finer blooms of Timothy Eaton, are tending upwards every day. Carnations are expected to brace up by next week, but thus far they are a hard proposition. Outside of Beauty the only roses to feel the stimulus as yet are Richmond and Killarney. Supplies in all lines are rather light.

The social calendar is well filled with entertainments for the winter and it is hoped that the trade will be benefitted and make up for the dull days that have passed. The past week has been somewhat encouraging, as a gradual demand is arising for Beauties, violets, chrysanthemums, etc. The over-abundance of stock and little values have caused the wholesaler and grower much uneasiness, but as new life is now springing up it is felt that a good season is ahead. The fall season having brought on the carnations too fast, it now looks as if the crops will be off or light picking for the holidays, for such a vast amount of this flower at this season of the year has never been equalled and prices are out of the question. The holiday season cannot come too quickly, as the trade is in training form to handle the business.

The Chicago market has been up and down during the past week, but with the show over business again started out brisk on Monday. Most of the growers report stock in fine condition for Thanksgiving. Prices are a little higher on Beauties but more because of the longer stems than because of scarcity. On the whole, a little decline in sales last week was anticipated and gave the wholesalers a chance to see their out-of-town friends at the show.

Our market is O. K. We always thought so and are more convinced since we had an opportunity to compare notes with our brothers in Chicago. There exists a gratifying uniformity of prices in this city. Last Saturday's football game brought the usual increase in the sale of large yellow chrysanthemums. Local wholesale houses shipped 1500 to Ann Arbor florists.

There were too many Richmond roses and medium to low grade carnations around last week, but on the whole the tone of the

## WHOLESALE FLOWER MARKETS.

PER 100.  
TO DEALER'S ONLY.

	CINCINNATI Nov. 18	DETROIT Nov. 16	BUFFALO Nov. 16	PITTSBURG Nov. 16
<b>ROSES</b>				
Am. Beauty, Fan. and Sp.	to 35.00	25.00 to 30.00	20.00 to 25.00	25.00 to 35.00
Extra	25.00 to 30.00	20.00 to 25.00	15.00 to 20.00	15.00 to 20.00
No. 1	to 24.00	17.00 to 20.00	8.00 to 15.00	8.00 to 12.50
Lower grades	to 8.00	6.00 to 12.00	3.00 to 8.00	2.00 to 4.00
Bride, 'Maid, F. & S.	3.00 to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
Low. gr.	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Killarney, Fan. & Sp.	3.00 to 7.00	6.00 to 8.00	6.00 to 7.00	6.00 to 8.00
Lower grades	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00
Richmond, Fancy & Special	to 6.00	6.00 to 8.00	6.00 to 7.00	6.00 to 10.00
Lower grades	to 4.00	3.00 to 6.00	2.00 to 4.00	4.00 to 6.00
Chatenay	2.00 to 4.00	3.00 to 8.00	to 8.00	to 8.00
Golden Gate, Ivory, etc.	2.00 to 6.00	3.00 to 8.00	2.00 to 5.00	to 5.00
My Maryland	3.00 to 8.00	to 8.00	to 8.00	to 8.00
Queen Beatrice	3.00 to 8.00	to 8.00	to 8.00	to 8.00
Mrs. Mar. Field	2.00 to 6.00	to 6.00	to 6.00	to 6.00
<b>CARNATIONS</b>				
Fancy and Novelties	3.00 to 4.00	2.00 to 2.50	1.50 to 2.00	2.00 to 4.50
Ordinary	2.00 to 3.00	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50
<b>MISCELLANEOUS</b>				
Chrysanthemums, Fancy	20.00 to 25.00	25.00 to 40.00	12.00 to 20.00	20.00 to 25.00
Ordinary	8.00 to 15.00	5.00 to 20.00	5.00 to 7.00	3.00 to 10.00
Cattleyas	30.00 to 40.00	to 35.00	50.00 to 75.00	50.00 to 60.00
Lilies	3.00 to 8.00	12.50 to 15.00	to 15.00	10.00 to 12.50
Lily of the Valley	3.00 to 6.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
Narciss., Paper White	to 4.00	to 4.00	2.00 to 3.00	2.00 to 3.00
Roman Hyacinth	to 3.00	to 4.00	2.00 to 3.00	to 3.00
Sweet Peas	to 1.00	to 1.00	.60 to 1.00	.25 to .75
Gardenias	to 1.00	to 1.00	to 1.00	to 1.00
Violets	1.00 to 2.00	.50 to .75	.60 to 1.00	.50 to 1.00
Adiantum	to 1.00	1.00 to 1.50	to 1.00	to 1.25
Smilax	10.00 to 15.00	15.00 to 20.00	to 20.00	10.00 to 12.50
Asparagus Plumosus, strings	to 50.00	35.00 to 50.00	to 50.00	30.00 to 50.00
" " & Spreng. (too bchs.)	to 25.00	35.00 to 50.00	to 50.00	20.00 to 50.00

market was good, especially on Friday and Saturday. The influx of chrysanthemums abated somewhat. White and yellow Chadwicks are now arriving and are among the top notchers. Golden Dome will be on the market about the 20th. The pigmy yellow "Baby" in bunched form, is as popular as ever this year, and is coming in plentifully from half a dozen growers. American Beauty roses have been marked up twenty-five per cent. and in most cases the new scale "goes." The quality is extra fine. My Maryland is in good demand, but there are not a great many coming in. The higher grades of carnations were in good demand and prices hardened. Good violets are still quite scarce. Paper white narcissus and white Roman hyacinths have commenced and meet with fair demand. Orchids and lilies remain normal. Adiantum Croceum is in over supply and very sluggish.

Market conditions show an improvement. Prices are low but a much healthier tone to business is noticed. Chrysanthemums have been very plentiful; the supply this season was much greater than the demand and consequently sold lower than for many years. American Beauties, tea roses and violets are in fair demand and carnations selling slightly better. The outlook for late varieties is better; cooler weather has improved the quality of nearly all flowers, roses in particular.

Correspondence from Albany, N. Y., indicates that there is little sale for the abundance of good flowers with which the market is stocked.

## NEWS NOTES.

**Westville, Conn.**—J. J. Sokol has purchased his brother's interest in the firm of Sokol Bros., florists.

**Brooklyn, N. Y.**—The greenhouse of T. J. Dixon, Canarsie Lane, was damaged by fire to the amount of \$1,500 on Nov. 14.

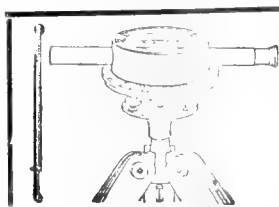
**Amherst, Mass.**—The Massachusetts Agricultural College will give a ten weeks' course in floriculture, horticulture, etc., beginning January 5, 1909.

**Visalia, Calif.**—C. S. Riley has taken a ten-years' lease of a lot of land in this city and will stock it with citrus and deciduous trees, plants and flowers.

**Baltimore, Md.**—The Park Board have declined to allow the use of the park plants for decorating the Armory during the exhibit of the Maryland they think it establishes a bad precedent.

**New York.**—The New York Cut Flower Exchange has signed a five-year lease of the floor they have been occupying in the Coogan Building, 55-57 W 26th street. The New York Cut Flower Company took similar action some weeks previous on the floor they occupy in the same building.

**Philadelphia.**—Invitations were issued by Fred Ehret to his first annual chrysanthemum show at 702 N. Broad St., November 11, 12, 13. Incidentally he announces this as the first free chrysanthemum show ever offered to the public by a commercial florist in Philadelphia.



## EVERYBODY KNOWS

Park, Cemetery and Landscape Gardening cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are on display all who KNOW to be the only Levels on the market which meet all the requirements at the price.

Our guaranteed work of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make. Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK  
**FINE ROSES FANCY CARNATIONS**  
 A Full Line of All CUT FLOWERS  
 Telephone, 3570 or 3571 Madison Square

**H. E. FROMENT,**

Wholesale Commission Florist,  
 Choice Cut Flowers,

57 West 28th St., :: NEW YORK.

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**

All choice cut-flowers in season. Send  
 for quotations. Correspondence with  
 shippers of first-class stock invited.

55 West 28th Street, New York.  
 Telephones 4626-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
 1463

**FRANK MILLANG**

**Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
 sale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOED**

43 W. 28th Street, NEW YORK  
 Telephone, 3393 Madison Sq.

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
 Madison Square.

New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860 Madison  
 3861

NEW YORK

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

**JOHN I. RAYNOR**

**Wholesale Commission Florist** SELLING AGENT FOR  
 LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety  
 grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

CARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Telephone 769 Mad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 & 57 W. 26th St., New York City  
 Commission Dealer, Wholesale Buyer  
 and Seller of

Open from 5 a. m. to 6 p. m. Sunday  
 till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., New York.

**Finest Lilies in the Market Every Day in the Year.**

**CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	List Half of Week ending Nov. 14 1908		First Half of Week beginning Nov. 16 1908	
American Beauty, Fancy and Special	20.00	to 30.00	20.00	to 30.00
" " Extra	12.00	to 15.00	12.00	to 15.00
" " No. 1	8.00	to 10.00	8.00	to 10.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Bride, 'Maid, Fancy and Special	4.00	to 6.00	4.00	to 6.00
" " Lower Grades	1.00	to 2.00	1.00	to 2.00
Killarney, Fancy and Special	5.00	to 8.00	5.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Richmond, Fancy and Special	5.00	to 8.00	5.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Chatenay	1.00	to 8.00	1.00	to 8.00
My Maryland	1.00	to 8.00	1.00	to 8.00
Golden Gate, Ivory, etc.	1.00	to 6.00	1.00	to 6.00

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
 PHONES. 1664-1665 MADISON SQUARE  
**ENOUGH SAID**

**TRAENDLY & SCHENCK**

**Wholesale Florists**

**Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 23th St., New York City.

**GROWERS' CUT FLOWER CO.**

CUT FLOWERS  
 AT  
 WHOLESALE

**VIOLETS, CARNATIONS, ROSES  
 ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments to Order, any Distance

39 West 28th Street,

Telephone 400 Madison Square  
 J. J. COAN, Manager

NEW YORK





# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## WHOLESALE FLORISTS

54 West 28th St.

NEW YORK

Telephone 3559 Madison Sq.

# A. L. YOUNG & CO.

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.

## JOHN YOUNG

WHOLESALE FLORIST

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

## WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

## Greater New York Florists' Association, Inc.

Now Open for Cut Flower Consignments

162 Livingston Street. BROOKLYN, N. Y.

Geo. W. Crawbuck

Telephone Connection

Manager

3642-43 Main

## H. C. BERNING

Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

## REED & KELLER

122 West 25th St., New York

## Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

WHOLESALE ONLY

## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax, Green, 50c.; Leucothoe Sprays (green only), \$2.00; Ferns, Dagger and Fancy, 70c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO.

Banner Elk, - - N. C.

## GALAX. Green and Bronze

Fresh from the Woods, Green prompt shipment, 40c. 1000; Bronze Galax ready about Nov. 25th, 40c. 1000. Holly (with berries) \$2.50 case. Mountain Laurel Leaves, \$2.00 case. Terms strictly Cash. Shipments North made from Galax, Va. Express and freight rates less than from N. C. points. We are experienced packers and guarantee satisfaction. Look us up in Dun or Bradstreet.

W. M. WOODRUFF & SON, LOW GAP, N. C.

## Holly — Green Sheet Moss — Laurel

Fancy Holly, short and long branches, \$3.00 case  
Laurel Branches for Decorating..... 2.50 "  
Laurel for Wreaths and Roping..... 1.00 bag.  
Green Sheet or Log Moss, large pieces. 1.25 bbl.

For Cash 5 Cases Holly and 5 bbls. Moss, \$18.00  
Cash or satisfactory reference with first order.

W. Z. PURNELL, - Snow Hill, Md.

## GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of EVERGREENS

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## E. A. BEAVEN

Southern Wild Smilax,  
Log Mosses,

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

## MISTLETOE

WHOLESALE ONLY

Twelve years' experience in gathering and shipping Mistletoe. Crop will be about fifty-five thousand pounds. Dates of shipments guaranteed. Contracts solicited.

F. CECIL BARKER & CO., LAS CRUCES, N. MEX.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Nov. 14 1908	First Half of Week beginning Nov. 16 1908
Carnations, Fancy and Novelties.....	2.00 to 3.00	2.00 to 3.00
Ordinary.....	.75 to 1.00	.75 to 1.00
Chrysanthemums, Fan y.....	12.00 to 25.00	12.00 to 25.00
Ordinary.....	4.00 to 8.00	4.00 to 8.00
Cattleyas.....	40.00 to 50.00	40.00 to 50.00
Lilies.....	6.00 to 8.00	6.00 to 8.00
Lily of the Valley.....	1.00 to 3.00	1.00 to 3.00
Narciss., Paper White.....	2.00 to 3.00	2.00 to 3.00
Roman Hyacinth.....	.75 to 1.00	.75 to 1.00
Sweet Peas.....	20.00 to 35.00	20.00 to 35.00
Gardenias.....	.75 to 1.00	.75 to 1.00
Violets.....	.50 to .75	.50 to .75
Adiantum.....	6.00 to 12.00	6.00 to 12.00
Smilax.....	15.00 to 35.00	15.00 to 35.00
Asparagus Plumosus, strings.....	15.00 to 25.00	15.00 to 25.00
" & Sphen. (too heavy).....		

## NEW YORK FLOWER MARKET REPORT.

The market shows a little more promising aspect, although the improvement is thus far more in that almost indefinable element — tone — than it is in actual transactions. The supply of chrysanthemums has materially decreased, and the stock seen in several wholesale establishments is of finest exhibition grade, which ought to, and undoubtedly will, henceforth, realize better prices than the market has been able to stand heretofore. Roses are not very abundant, but the demand is very light, and prices have not yet begun to mount, although they are likely to do so by next week. Carnations are plentiful, averaging rather under quality, and are selling poorly, especially the reds. Violets are mixed up in the football excitement and are an uncertain quantity just at present. Lily of the valley is fine from some growers and inferior from others who

**FANCY and DAGGER**  
Extra fine, \$1.25 per 1000. Bronze and Green Galax, \$1.25 per 1000, \$8.50 case of 10,000. Leucothoe Sprays, \$1.00 per 100. \$7.50 per

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25.

Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock.

Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

RECEIVERS & SHIPPERS OF CUT FLOWERS.

CONSIGNMENTS SOLICITED.



## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

are usually on top as to quality. Cattleyas are greatly reduced in numbers and have returned to the values prevailing previous to the recent labiate flood. Plant trade generally excellent all around and Thanksgiving business promises well.

## HENSHAW & FENRICH

WHOLESALE FLORISTS

44 West 28th St., Phone: 325 and 5583 Madison Sq. N. Y.

Our Specialty is Everything.

Consignments of the best stock solicited. The square deal guaranteed to all who trade here.

## MISTLETOE

Oklahoma Mistletoe is the Finest in the World

Finely Berried. 40 lbs. (net) to the Barrel.  
Choice Stock..... \$3.75, F. O. B.  
Fancy Stock..... 4.50, F. O. B.

Fancy Stock is Extra Selected as to COLOR AND BERRIES.  
Correspondence Solicited.

Enterprise Seed Co., Oklahoma City, Okla

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
Araucaria Excelsa.  
For page see List of Advertisers.

## ASPARAGUS

The Geo. Wittbold Co., 1637 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

Asparagus Plumosus Seed Grower. Have your order booked now for next season. Seedlings, \$7.50 per 1000. Clumps, \$6.00 per 100. Peter Mack, Orlando, Fla.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

## AUCUBAS

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.  
For page see List of Advertisers.

## BAY TREES.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## BEGONIAS

Begonia Gloire de France, strong plants from leaf cuttings, 2 1/4 inch pots, \$12.00 per 100, \$10.00 per 1000. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 251 E. 1st St., Chicago.  
For page see List of Advertisers.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.  
For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.  
For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.  
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.  
Lilium Longiflorum, Japan Grown.  
For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.  
Calla Bulbs.  
For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., N. Y.

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.  
Lilies, Freesias, Hyacinths, Narcissus, Tulips.  
For page see List of Advertisers.

To Exchange—750 Tulips and other Dutch Bulbs for standard named Gladiolus Bulbs. L. Merton Gage, Orange, Mass.

## CALLAS

Edmund Reardon, Cambridge, Mass.  
For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind., Winona.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Andrew Carnegie and Harlowarden.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.  
For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.  
For page see List of Advertisers.

Charles Knopf Floral Co., Richmond, Ind.  
New Carnations.  
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

Stock plants of Polly Rose, October Frost, Tonsel, Ivory, Wanemaker, ready, \$3 per 100; Beatrice May, Virginia Poehlmann, Alice Roosevelt, Miriam Hankey, Intensity, Mad. Rosette, White and Yellow Bonaffon, \$4 per 100. Cash. Harlowarden Greenhouses, Greenport, N. Y.

## CHRYSANTHEMUMS—Continued

Chrysanthemum Golden Glow from 2 1/4 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Mountmort, Oct. Frost, Crocus, Matchless, Lucey Devaux, Polly Rose and Hallday, \$1.00 per doz., \$6.00 per 100. Peirce Bros., Waltham, Mass.

Chrysanthemums, stock plants of new English singles. Popular everywhere as pot plants and cut flowers. Ladysmith, deep pink; Mary Anderson, bluish; Nancy Perkins, best white; Gertrude, large white; Annie Holden, yellow. Stock limited. Get your order and cash in early. Per doz. \$1.50; fifty, 10 each of above five kinds, \$5. Cash. F. W. Fletcher Co., Boston, Mass., Auburndale Station.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## COLD STORAGE VALLEY

H. F. Michell Co., 1018 Market St., Phila.  
For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.  
For page see List of Advertisers.  
Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.

Peacock Dahlia Farms, Williamstown Junction, N. J.  
Dahlia Miss Virginia Maule.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1637 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

A. Schulteis, College Point, N. Y.  
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.  
Palms and Ferns.  
For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1637 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

# For List of Advertisers See Page 697

**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway,  
New York, N. Y.

For page see List of Advertisers.

Henry A. Dreed, 714 Chestnut St., Phila.  
For page see List of Advertisers.

Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago, Ill.

For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Robert Simpson, Clifton, N. J.  
Sheep Manure.

For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Phila.  
Sheep Manure.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's, 226-228 1-2  
Bovary, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

J. B. Murdoch & Co., 714 Penn Ave.,  
Pittsburg, Pa.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,

Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 614 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

F. H. Houghton, 336 Boylston St.,

Boston.

For page see List of Advertisers.

Edward MacMulklin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

Tailly, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeyer's Sons, Mann and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,

Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St.,  
Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 426-28 Olive St.,

St. Louis, Mo.

For page see List of Advertisers.

E. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

M. Bowe, 1294 Broadway, New York.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE  
PLANTS**

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 25th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hillinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Whitlin Pottery Co., Philadelphia.

Standard Flower Pots.

For page see List of Advertisers.

The Peters & Keed Pottery Co.,

Red pots, seed pans, etc.

Zanesville, O.

**FORCING RHUBARB AND  
ASPARAGUS**

Warren Shinn's Nursery Stock, Woods-  
town, N. J.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 West 28th St., N. Y.  
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Place, Boston.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.

New and Standard Varieties.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

**GLADIOLI**

J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

**GLASS—Continued**

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING DEVICES**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.

For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.

Peerless Glass Repair Clamp.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATE-  
RIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York  
For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters. L. & B.  
improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS, MOSS AND  
GREENS**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange,

38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp.,  
\$1.25 by mail. I. N. Kramer & Son, Cedar  
Rapids, Ia.

**In writing to Advertisers kindly mention Horticulture**

**HARDY FERNS, MOSS AND GREENS—Continued**

George Cotonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

W. Z. Parnell, Snow Hill, Md.  
For page see List of Advertisers.

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

E. A. Beaven, Evergreen, Ala.  
For page see List of Advertisers.

W. M. Woodruff & Son., Lowgap, N. C.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260 274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Phos H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

Thos. A. McPeth, Springfield, O.  
Hydrangea Arborescens Grandiflora.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.  
For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St., New York.  
Kiln-dried Tobacco Dust.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stothoff Co., Mount Vernon, N. Y., Makers and Sellers.

FOR SALE—Tobacco dust, 140 pounds in sacks, \$5.00, in case lots, about 350 pounds, 2c. per pound. Tobacco stems, in bales, \$2.00; about 400 pounds. Cash with order. S. R. Levy, Binghamton, N. Y.

**IRIS**

F. R. Pierson Co., Tarrytown-on-Hudson, New York.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Rostrom-Brady Mfg. Co., 139 Madison Ave., Atlanta, Ga.  
For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in. pots, \$2.00 per 100. E. O. Perry, Berlin, Mass.

**MISTLETOE**

F. Cecil Barker & Co., Las Cruces, N. Mex.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonan, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

J. H. Troy, 24 E. 34th St., New York.

Linden Trees Wanted

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York N. Y.

For page see List of Advertisers

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$3.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS, ELLWANGER & BARRY, Rochester, N. Y.

**ORANGE TREES**

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists.  
For page see List of Advertisers.

Carrillo & Baldwin, Syracuse, N. Y.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.  
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Augustus Zirngiebel, Needham, Mass.  
For page see List of Advertisers.

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

Pansies, Daisies, Forget-me-nots, strong plants of the best quality, mixed or in separate colors, \$2.50 per 1000. Gustave Freytag, Florist, West Orange, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAS**

Leonard Seed Co., Chicago, Ill.  
Alaska and Horsford Pea Deliveries.

**PEAT**

Wm. Mathews, Utica, N. Y.  
Orchid Peat.

For page see List of Advertisers.

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey

For page see List of advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

**PEONIES**

Wholesale Peony list for fall 1903 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**PLANT TUBS**

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

**For List of Advertisers See Page 697**

**PRIVET**

800,000 Cal. Privet, 2 years old, 2½ to 3 feet, 10 to 15 branches each, \$25.00 per 1000. John Bennett, Atlantic Highlands, N. J.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Frank H. Houghton, 336 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.

Tailby, Wellesley, Mass.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

M. Bowe, 1294 Broadway, New York.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

**ROSES**

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.

Rose Newport Fairy.  
For page see List of Advertisers.

**ROSES - Continued**

Carlman Ribsam, Trenton, N. J.  
For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass., and 3A Somerset St., Boston.

New Forcing Rose White Killarney.  
For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Roses, strong, own root, 4 inch Chatenay, Killarney, Richmond and Mald, \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Bingham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEED GROWERS**

C. C. Morse & Co., 48 56 Jackson St., San Francisco, Cal.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., Cauliflower and Cabbage Seed.

12 Stormgade, Copenhagen, Denmark.  
For page see List of Advertisers.

**SEEDS**

1. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
Cyclamen Seed.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.  
Hardy Garden Carnation Seed.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.  
For page see List of Advertisers.

Schilder Bros., Chillicothe, O.  
Onion Seed.  
For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Fresh, clean, 5 bbl bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER." \$1. Jos. Kopcsay, So. Bend, Ind.  
For page see List of Advertisers.

J. F. Cass Mfg. Co., Detroit, Mich.  
Dept. H.  
Un-It Globe Sprayer.

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VEGETABLE SEED**

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY. New Model enclosed, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1180 Broadway, N. Y.

**VINCAS**

H. T. & A. H. Funnell, Huntington, N. Y.  
Vinca Variegata

Vincas, field grown low in cold house, \$3.00 per 100. J. H. Dunn & Son, Westfield, N. Y.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellischer's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

Tailby, Wellesley, Mass.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave. Chicago.  
For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.

J. A. Rudlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**Cromwell, Conn.**

A. N. Pierson, Cromwell, Conn.  
For page see List of Advertisers.

**Detroit**

Michigan Cnt Flower Exchange 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



**Tobacco Paper**  
IS THE  
**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

# “NICO-FUME”

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...  
**THE KENTUCKY TOBACCO PRODUCT CO.,**      **Louisville, Ky.**

**LIQUID**  
**OVER 40% NICOTINE**  
**By far the  
CHEAPEST.**

**JUST NOTE PRICES!**

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



## THE WHILLDIN POTTERY COMPANY

THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA.    LONG ISLAND CITY, N. Y.    JERSEY CITY, N. J.

### WHOLESALE FLORISTS— Continued

#### Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

#### New York

- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.
- George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.
- Frank Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- E. S. Slinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.
- #### Philadelphia
- W. E. McKissick & Bros., 161-1621 Ransford St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Nielsen Co., 1200 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Moore Co., 1608 18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### WHOLESALE FLORISTS— St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

#### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

#### WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

**BAMBOO STICKS COLORED GREEN**  
Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

#### CARNATION PINK DELIGHT.

F. Dorner & Sons Co., LaFayette, Ind.  
For page see List of Advertisers.

#### CHRYSANTHEMUM NOVELTIES.

Charles H. Totty, Madison, N. J.  
For page see List of Advertisers.

**FERN, NEW CRESTED SCOTTII, N. SCHOLZELI.**  
Henry A. Dreer, 714 Chestnut St., Philadelphia.  
For page see List of Advertisers.

#### GERANIUM CATALOGUE 1908-9

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.  
For page see List of Advertisers.

#### MISTLETOE.

Enterprise Seed Co., Oklahoma City, Okla.  
For page see List of Advertisers.

#### NARCISSUS PAPER WHITE GRANDIFLORA.

Dingee Conard Co., West Grove, Pa.  
For page see List of Advertisers.

#### PLANT TUBS.

Henry A. Dreer, 714 Chestnut St., Philadelphia.  
For page see List of Advertisers.

#### POINSETTIAS (ARTIFICIAL).

Pittsburgh Cut Flower Co. Ltd., 222 Oliver Ave., Pittsburgh, Pa.  
For page see List of Advertisers.

#### WHITE KILLARNEY.

The F. R. Pierson Co., Tarrytown-on-the-Hudson, N. Y.  
For page see List of Advertisers.

#### WHOLESALE FLORISTS.

Henshaw & Fourth, 41 W. 28th St., New York.  
For page see List of Advertisers.

#### HYACINTHS, TULIPS, NARCISSUS.

Wm. Elliott & Sons, 11 Vesey St., New York.  
For page see List of Advertisers.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 2 1/2 " " "	5.25	60 8 " " "	3.00
1500 3 " " "	6.00	HAND MADE	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.80
500 4 " " "	4.50	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
144 6 " " "	3.16	12 14 " " "	4.80
		6 16 " " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent. off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N. Y.** August Reiker & Sons, Agts., 31 Barclay St., N. Y. City.

### DREER'S Florist Specialties. KEYSTONE CEDAR PLANT TUBS.



Length	Each	Doz.	100
A 11 1/2 "	65	7 15	55.00
B 12 1/2 "	75	8 25	65.00
C 13 1/2 "	85	9 35	75.00
D 14 1/2 "	102	11.00	90.00
E 15 1/2 "	125	13.75	110.00
F 16 1/2 "	150	16.50	130.00

Three largest sizes have handles.

#### Special PAIL TUBS.

8 inches	50	28.00
11 " "	30	35.00

Painted Green.

**HENRY A. DREER,**  
714 Chestnut Street,  
Philadelphia, Pa.

### Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

## List of Advertisers

Page	Page
Advance, The Co.....699	McKissick, W. E. & Bros.....588
American Nursery.....683	McManus Jas.....690
American Nursery Co.....683	Meyer I. C. & Co.....687
Aschmann Godfrey.....682	Michell H. F. Co.....684-697
Atlanta Floral Co.....666	Michigan Cut Flower Exchange.....691
Bambrick Thos. H.....697	Millang Bros.....690
Barrows H.H. & Son.....668	Millang Frank.....690
Bassett & Washburn.....666	Miller Floral Co., The.....682
Bayersdorfer H. & Co.....687	Mitting, A.....685
Beaven E. A.....691	Moninger J. C.....699
Berning H. G.....691	Moore, J. L.....668
Bobbinck & Atkins.....683	Moore, Hentz & Nash.....690
Boddington A. T.....685	Moore-Livingston Co.....687
Boston Florist Letter Co.....687	Morse C. C. & Co.....685
Boston Plate and Window Glass Co.....698	Murray Samuel.....686
Boström-Brady Mfg. Co.....689	New England Nurseries.....684
Bowen, M. A.....686	Niessen Leo. Co.....688
Breck Joseph & Sons.....685	North Carolina Evergreen Co.....691
Breitmeyer's J. Sons.....686	Oechslein Frank.....668
Bridgeman's Seed Warehouse.....685	Ordonez Bros.....667
Budlong J. A.....688	Ouwkerk P.....683
Burpee W. A. & Co.....685	Palethorpe P. R. Co.....697
Carrillo & Baldwin.....667	Park Floral Co.....686
Chicago Carnation Co.....666	Payne John A.....698
Clarke's David, Sons.....686	Peacock Dahlia Farms.....668
Clary's Horticultural Co.....683	Pennock-Meehan Co.....688
Cotsonas Geo. & Co.....691	Perkins St. Nurseries.....668
Cowee W. J.....691	Pierson, A. N.....666
Craig, Robt. Co.....666	Pierson F. R. Co.....677-679
Crawback Geo. W.....691	Pierson U Bar Co.....700
Dingee & Conard Co.....666	Pittsburg Cut Flo. Co.....678
Doane Geo. B. & Son.....699	Poehlmann Bros. Co.....638
Dorner F. Sons & Co.....666	Pratt B. G. Co.....697
Dreer H. A.....667	Pulverized Manure Co.....684
Dunlop John H.....686	Purnell W. C.....691
Dysart R. J.....687	Quaker City Machine Co.....698
Edwards Folding Box Co.....688	Raynor John L.....690
Elliot Wm & Sons.....679-684	Reardon Edmund.....667
Elm City Nurs'y Co.....683	Reed & Keller.....691
Enterprise Seed Co.....691	Reinberg Peter.....688
Euler J. G.....699	Ribsam Carلمان.....683
Ernest W. H.....696	Rice Bros.....688
Eyres.....686	Rickards Bros.....684
Farquhar R. & J. & Co.....685	Robinson H.M. & Co.....680
Fiske, H. E. Seed Co.....685-697	Rock Wm. L. Flo. Co.....686
Foley Mfg. Co.....699	Roehrs Julius Co.....666-667
Ford Bros.....690	Roper Albert.....666
Froment H. E.....690	Roland, Thomas.....666
Galvin Thos. F.....686	Rolker August & Sons.....696
Greater N.Y. Florists' Association.....691	Rose Hill Nurseries.....668
Grey T. J. Co.....685	Salford Geo.....690
Growers' Cut Flower Co.....690	Sander & Son.....667
Gude Bros. Co.....686	Schiller Bros.....685
Guttman Alex. J.....690	Schultheis Anton.....667
Hall Asso.....699	Schulz Jacob.....687
Hartmann Hjalmar & Co.....685	Scott, John.....668
Hauswirth M.C. & J.E.....685	Sharp, Partridge & Co.....698
Heacock Jos. & Co.....681	Sheridan W. F.....690
Henshaw & Feurich.....691	Siggers & Siggers.....698
Herbert David & Son.....668	Simpson Robt.....684
Hews A. H. & Co.....696	Situations & Wants.....697
Hilfinger Bros.....696	Slinn B. S. Jr.....690
Hill, The E. G. Co.....666	Smith Elmer D. & Co.....666
Hippard E.....688	Smyth Wm. J.....686
Hitchings & Co.....700	Standard Plate Glass Co.....698
Hoffman.....687	Stearns A.T. Lumber Co.....699
Horan E. C.....690	Stump & Walter Co.....697
Houghton F. H.....686	Tailby.....687
Hunt E. H.....697	Thorburn J.M. & Co.....685
Kentucky Tobacco Product Co.....696	Totty Chas. H.....668
Kervan The Co.....691	Traendly & Schenck.....690
Kessler, P. F.....690	Troy J. H.....682
King Cons. Co.....698	Twomey D. J.....683
Knohl, Chas., Floral Co.....686	Valentine, J. A.....686
Kopcsay Jos. C.....699	Vincent R. Jr. & Sons.....666-685
Koeschell Bros. Co.....690	Waban Rose Conservatories.....670
Kuebler Wm. H.....691	Waterer John & Sons.....683
Lager & Hurrell.....667	Weathered Co.....691
Langjahr Alfred H.....690	Weber F. C.....686
Leonard Seed Co.....685	Welch Bros.....688
Leuthy A. & Co.....683	Whilldin Pottery Co.....696
Lord & Ryham Co.....700	Wilson.....686
Lutton W. H.....690	Winterson, E. F. Co.....688
Manda Jos. A.....667	Witthold Geo. Co.....668
MacMullin E. A.....686	Wood Bros.....681
Mathews Wm.....667	Wodruft W. M.....691
McBeth Thos. A.....666	Woodrow, Sam'l A.....690
McCarthy N. F. & Co.....691	Yokohama Nursery Co.....667
McConnell Alex.....680	Young A. L.....691
McKellar Charles W.....688	Young John.....691
	Young & Nugent.....686
	Zangen O. V.....685
	Zinn Julius A.....687
	Zirngiebel A.....667
	Zvolanek A. C.....685

PRATT'S  
"SCALECIDE"

TRADE MARK—U.S. PAT. OFF.  
Will positively destroy SAN JOSE SCALE on all soft-bodied sucking insects without injury to the tree. Simple, more effective and cheaper than any other. Not an experiment.  
Write for FREE sample and endorsement from growers and horticulturists who have used it for years.  
Prices: 50-gal. bbl., \$25.00; 30-gal. tin, \$15.00; 10-gal. can, \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00.  
f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water.  
"Pocket Diary and Spray Calendar for 1909 sent FREE." Mention this paper.  
B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

## HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED—First-class foreman, fully acquainted with conservatory and plant work, to take charge of outside work connected with a large city retail flower store. Must have had experience in buying plants for store trade, absolutely sober, honest and industrious. None other need apply. Address with references, T. R., care HORTICULTURE.

## SITUATIONS WANTED

SITUATION WANTED—By German, aged 29, in private greenhouse place, by November; not afraid of work; strictly sober. Best of references. Address H. Long, 132 Second Ave., Albany, N. Y.

## FOR SALE

## FOR SALE

On Favorable Terms

The Mosbaek Greenhouse Co. offer their plant at Onarga, Illinois, for sale. This plant consists of Eight Modern Greenhouses each 25 x 100 ft., well equipped with Ferns and Bedding Plants of all kinds, and several acres of Perennials. Also a good sized dwelling house and five acres of land adjoining; also tenfold for 47 acres of additional rich land, about one-half of which is set to Asparagus and Hyacinth. The business is mainly wholesale sale—very little retail business being done. Any one interested will be furnished with detailed information on application to

THE MOSBAEK GREENHOUSE CO.  
ONARGA, ILLINOIS

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

## TO LEASE

TO LEASE for a term of years, four greenhouses containing about 40,000 feet of glass, stocked with suitable plants and cut flowers. Apply to A. G. Hood, Manchester, N. H.

## DON'T EXPERIMENT

## USE

## To-Bak-Ine

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.  
STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.

The Best  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

Is Your Name In The Above  
List? If Not, Why Not?

### GREENHOUSES BUILDING OR CONTEMPLATED.

Bethel, Conn.—C. A. Webb, one house.

Wollaston, Mass.—C. B. Luard, two houses.

Kennebunk, Me.—F. A. Emmons, additions.

Stamford, Conn.—E. H. Binney, alterations.

Woodstock, Vt.—George H. Maas, one house.

Lebanon, N. H.—Haskell Floral Co., one house.

Paterson, N. J.—D. T. Millspaugh, one house.

Southboro, Mass.—Harry Burnett, one house.

Granby, Conn.—Guild Bros., vegetable house.

Providence, R. I.—George Kelly, addition, 20x30.

Bellefontaine, O.—J. C. Reinhart, addition 25x87.

Fulton, N. Y.—C. B. Wetherby, range of houses.

Catonsville, Md.—Leroy Oldham, range of houses.

Goshen, Conn.—Mr. Harkness, range of houses.

Glen Cove, N. Y.—James De Lamar, conservatory.

### PATENTS GRANTED.

903,371 Lawn Mower Sharpener. James H. Frey Vincennes, Ind., assignor of one-half to Frank C. Hardacre, Vincennes, Ind.

903,371 Harrow William D. Young, Ennis, Tex.

903,370 Cultivator. Andrew J. Comp-ton, Cedar Grove, N. C.

903,703 Manure Spreader. Stephen H. Garst, Detroit, Mich.

903,782 Land Roller and Cultivator. Jacob Ross, Holland, Me.

### NEWS NOTES.

Bristol, Va.—H. G. Bramm has purchased an interest in the D. S. Simpson Floral Co.

Woburn, Mass.—The Mishawum Flower Co. have installed a new boiler in their plant.

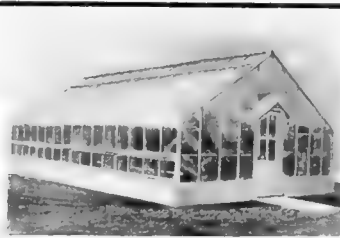
Beatrice, Neb.—The Dole Floral Co. have recently deeded a tract of land to the town for park purposes.

Cromwell, Conn.—A chimney 170 feet high, containing over a quarter million of bricks, is nearly completed at the Pierson greenhouses.

Graniteville, N. Y.—Robert Thompson, said to be a florist, was arrested on Nov. 10 on suspicion of setting fire to the house of John Decker. He had been employed by Decker in election work two years ago, but failed to obtain the work this fall.

**BOSTON PLATE & WINDOW GLASS CO.**  
**GREENHOUSE GLASS**  
German and American

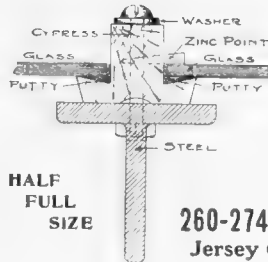
261 to 287 A St., Boston 20-22 Canal St.



### The "T" Bar Curved Eave Greenhouse

Is absolutely Dripless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed—all steel inside, all wood outside.

#### Greenhouses of Every Type



HALF  
FULL  
SIZE

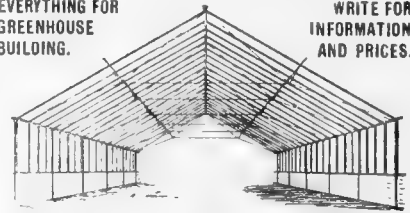
**JOHN  
A.  
PAYNE**

Greenhouse  
Designer and  
Builder

260-274 Culver Ave.  
Jersey City, N. J.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## PATENTS

Trademarks and  
Copyrights

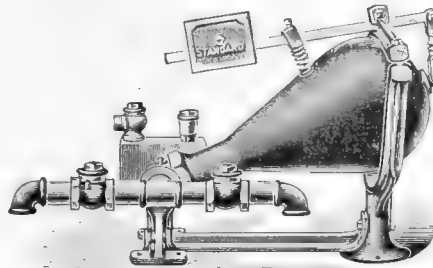
Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

## THE STANDARD STEAM TRAP



Is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

## GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for Free Catalogue to

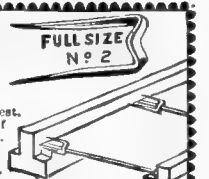
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

### Holds Glass Firmly

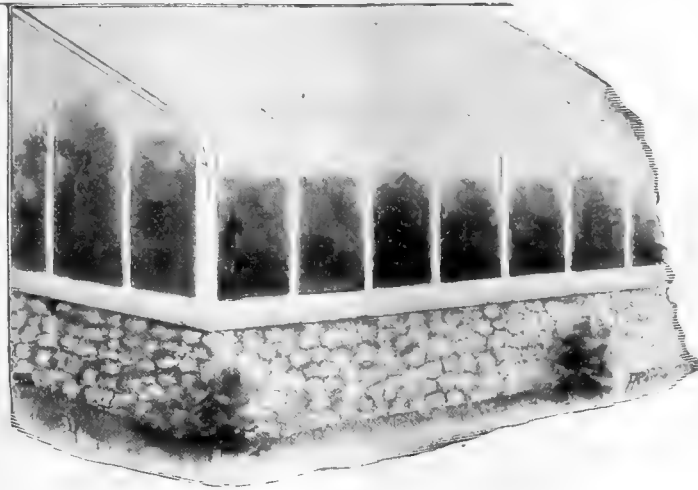
See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.



In ordering goods please add, "I saw it in HORTICULTURE"

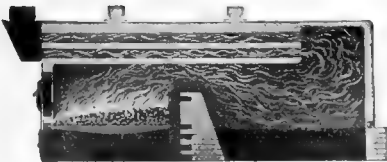


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made  
SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

We met many of our old customers at the National Flower Show, who extended the glad hand and we made many new acquaintances. It was good to be there — to see what live, progressive florists do in developing flowers, plants and in exhibiting them. We realized more than ever the worth of the many kind words we have been receiving in the past for our goods from this class of energetic, progressive men. Send for new circular, &c.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam,  
Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making of material for

### GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

### GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.



Awarded diploma and medal,  
1907, for the celebrated

Shower Maker, \$1.00

Dealers and jobbers, ask for sample, price and electros for catalog.  
JOSEPH KOPISAY, South Bend, Ind.

Look through the Buyers' Directory  
and Ready Reference Guide. You  
will find some good offers there also.

## THE WEATHERED COMPANY

erect the house of

### GREATEST SUNLIGHT

Iron Frame Semi-Iron Frame  
or All-Sash-Bar Houses  
Erected or Material Furnished

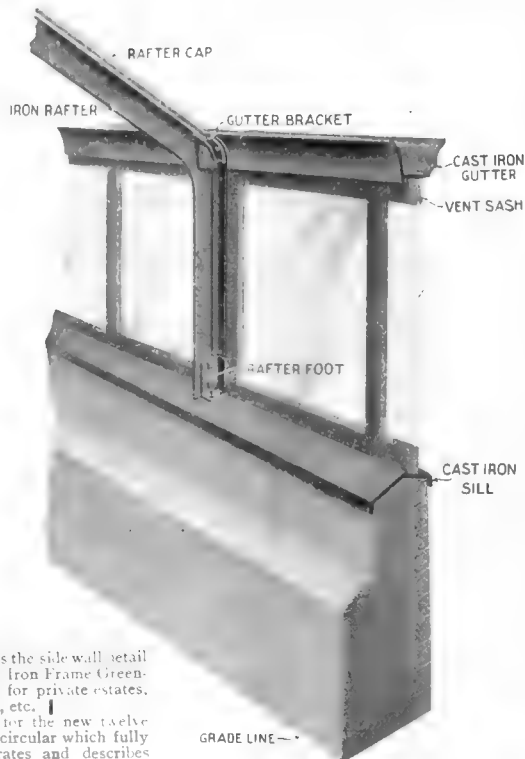
Send for Catalogue

P. O. Address Box 739  
NEW YORK CITY N. Y.

### GREENHOUSE CONSTRUCTION LUMBER

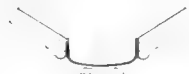
**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

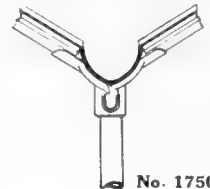


This is the side wall detail of our Iron Frame Greenhouse for private estates, parks, etc. Send for the new twelve page circular which fully illustrates and describes our construction.

**Hitchings & Company**  
1170 Broadway New York



No. 1908



No. 1750

## Some Gutters With Objections AND Some Without

One concern makes their castings heavy enough but their gutter is shaped wrong — it is a square box like affair without enough capacity — water backs up under glass, freezes and wags goes your glass.

Another manufacturer makes them with sufficient capacity, but casts them thin and of brittle iron — and they break.

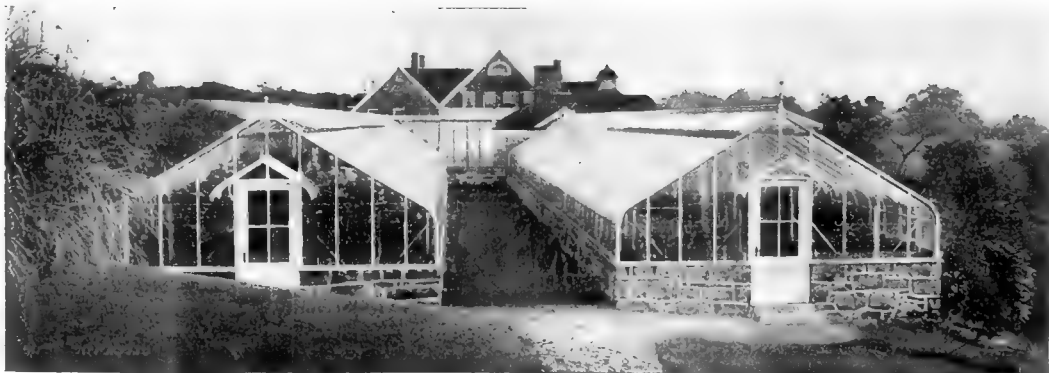
Still another firm has tough enough iron and thick enough castings but the roof bars are fastened with a screw running directly up from the bottom into the bar, which draws the moisture up and rots the bar.

Lord and Burnham Co. make their gutters so that all these objections are overcome, with several mighty strong points added. So let us put you wise on gutters. Write us.

**Lord & Burnham Co.**

Main Sales Office: 1133 BROADWAY, N.Y.

BOSTON: 819 Tremont Building. PHILADELPHIA: 1215 Filbert St.



## TAKE THE RIGIDITY QUESTION

You might think on first glance that a house so light, so airy and simple in its construction could not be rigid and enduring. It is decidedly both! You see with the encasing of the roof bars (or core bar as we call it) in the galvanized steel U-Bar, every bar is practically a rigid rafter, although the combining of both gives a member no larger than the roof bar used in the usual flat rafter frame construction. The core bars are chemically preserved against decay, and protected against condensation by the steel U-Bar. The steel U-B is galvanized against rust. It is the ideal construction for private estates, parks, public institutions and florists' show rooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK



# HORTICULTURE

Vol. VIII. NOVEMBER 28, 1908 No. 22



SINGLE FLOWERED CHRYSANTHEMUM "ANNA"

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER,  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*

# GERANIUMS

GOOD STOCK FROM 2 INCH POTS FOR IMMEDIATE SHIPMENT

Good standard sorts such as S. A. Nutt, Centaure, Double Gen. Grant, Mme. Landry, Mrs. E. G. Hill, Jacquerie, etc., at \$2.00 per 100, \$18.50 per 1000.

Such varieties as Double Dryden, Berthe de Presilly, E. H. Trego, M. A. Roseleur, Mrs. Lawrence, Peter Henderson, Thos. Meehan, etc., at \$3.00 per 100, \$25.00 per 1000.

We will send 1000 good plants in 20 choice varieties, 50 each our selection, for \$18.50 Cash. We have been sending out this collection for a number of years and they have given general satisfaction. They will please you.

**SCENTED GERANIUMS. Special Offer.** 100 in 10 varieties for \$2.00.

**IVY GERANIUMS. Caesar Franch, Mrs. Banks, Alliance,** \$2.00 per 100.

Our New Descriptive Catalogue for 1908-1909 describing over 300 varieties is yours for the asking. Free to the trade; 25c to others.

**LOBELIA KATHLEEN MALLARD.** The new double blue Lobelia, nice stock from 2 inch pots, 50c per doz., \$2.00 per 100.

**LEMON VERBENA, Aloysia Citriodora,** 40c per doz., \$2.00 per 100.

**R. VINCENT JR. & SONS CO., White Marsh, Md.**

## Troy's WANT Corner

### WANTED

LARGE SHADE TREES.

8 to 10 in. caliper.

Transplanted.

Write giving full particulars to

**J. H. TROY,**  
24 East 34th St., NEW YORK CITY.

## GRAFTED ROSES

Special Bargain Sale

EXTRA FINE STOCK

Killarney, Carnot, Bride, Bridesmaid

From 3-inch Pots.

\$2.00 per doz. \$12.00 per 100. \$100.00 per 1000

**RICHMOND, BRIDE, BRIDESMAID,**

From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000

**WOOD BROTHERS, Fishkill, N.Y.**

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

**New Roses,  
Chrysanthemums,  
Carnations, Geraniums.**

Send for Price List

**The E. G. HILL CO., Richmond, Ind.**

## NARCISSUS

(PAPER WHITE GRANDIFLORA)

First Class Bulbs, \$1 per 100; \$8.00 per 1000

**THE DINGEE & CONARD CO.**  
WEST GROVE, - - - PA.

## ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## NEW CARNATION PINK DELIGHT

Waxy Shell Pink. A Grower's and Shipper's favorite. Has a holding color, keeps well, comes on long stems and is early, very free and continuous flowering.

January delivery, \$12.00 per 100; \$100.00 per 1000.

**F. Dorner & Sons Co., La Fayette, Ind.**

## ANDREW CARNEGIE SCARLET HARLOWARDEN

FINE PLANTS

\$12.00 per 100, \$100.00 per 1000

**CHICAGO CARNATION CO.**

A. T. PYFER, Mgr.

JOLIET, ILL.

## CYCLAMEN GIGANTEUM

5, 6 and 7 in. pots — 50c, 75c, and \$1.00 each.

Extra heavy stock of the very best quality.

**Thomas Roland,**  
Nahant, Mass.

## BIG MUMS

**AND ANEMONE VARIETIES**

We have all the best Commercial sorts both old and new. Early orders mean early delivery.

If you know what you want send list for prices. If you don't know, tell us how many kinds you wish and we will submit a list of the best for your purpose.

**ELMER D. SMITH & CO., Adrian, Mich.**

We can furnish the Exhibition Grower all the latest novelties and best of the old kinds.

January and February delivery.

Our collection of **SINGLES, POMPONS, HAIRY**

is the largest in America.

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in

on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION

## O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

Rooted Cuttings, per 1000, \$60.00 | Rooted Cuttings, per 100, \$8.00 | Rooted Cuttings, per 25, \$2.50  
per 50, 35.00 | " " per 50, 4.50 | " " per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL.**

## NEW CARNATIONS 1908-1909.

THE CREAM OF THE NOVELTIES. YOU WILL WANT THEM ALL.

**MRS. CHAS. KNOPP.** Darker, better and freer than Enchantress.

**RUBY.** The Scarlet Crimson. See for Description. \$12.00 per 100; \$100.00 per 1000.

**LAWSON-ENCHANTRESS.** Enchantress with the Lawson Color. A Success Wherever Grown.

**SARAH HILL.** The Grandest Winter Flowering Variety Sent Out in Recent Years.

We have good stock of these varieties and can make early delivery.

\$5.50 per 100. \$50.00 per 1000.

**CHARLES KNOPP FLORAL COMPANY, Richmond, Ind.**  
And S. J. REUTER & SON, Inc., Westerly, R.I.

## ORCHIDS

We have some handsome early *Percivaliana* which we positively guarantee to bloom between now and Christmas, as the buds are visible on the sheath. No less than two new strong growths on each plant. The flowers will more than repay purchase of plant. Plants with 7 to 10 bulbs \$1.00 each; from 10 to 15 bulbs \$1.25

**ORDONEZ BROS., Madison, N. J.**

## ORCHIDS Freshly Imported

We offer a superb lot of *Cattleya gigas Sanderiana* in finest condition; also *C. Bogotensis*, *C. Schroderae*, *C. labiata*, *C. gigas Hardyana* type and *Miltonia vexillaria*

**LAGER & HURRELL, Summit, N. J.**

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

**Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY**

## IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerulea*, *Cattleya Trianae*,  
*Cattleya gigas Sanderiana*, *Cattleya Schroderae*, *Oncidium varicosum*.

**JULIUS ROEHR'S CO., Rutherford, N. J.**

## ORCHIDS

Orchid Baskets and Peat  
Write for Prices

**JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.**

## ORCHIDS

Our latest importations have been, *Cattleya Chrysoxoa*, *Cattleya Gaskelliana*, *Cattleya Gigas*, (*Hardyana* district), *Phalaenopsis Amabilis Schilleriana* and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

**CARRILLO & BALDWIN  
SECAUCUS, N. J.**

## FLORISTS' PLANTS

Foliage and Flowering. Complete Stock in all sizes at all times. Send for Special Wholesale Price Sheet.

**A. SCHULTHEIS  
COLLEGE POINT, NEW YORK**

## CALLA LILIES

150 Callas in 8-inch Pots, 3 and 4 bulbs each. To make room. In first-class condition, three dollars per dozen.

**EDMUND REARDON,  
Cambridge, Mass.**

## Box Trees

and other **EVERGREENS** for Tubs and Boxes  
Our Prices are Always Right—Catalog Free  
**THE NEW ENGLAND NURSERIES, Inc.  
BEDFORD, MASS.**

## CHRYSANTHEMUMS

Strong stock from benches: White: *Linwood Hall*, 25c. each. *Timothy Eaton*, Mrs. Geo. S. Kalb (fine, early), *Estelle*, W. Bonnaffon, *Alice Gyron*, *Ivory*, C. Tousey, J. Nonin. Pink: *Glory of the Pacific*, Dr. Enguehard, M. Dean. Yellow: M. Bonnaffon, *Crema*, *Halliday*, *Yellow Jones*, "Baby," \$1.00 per dozen; \$5.00 per 100. Cash with order.

WM. SWAYNE, Box 226, KENNETT SQUARE, PA.

# DREER'S SPECIAL OFFER OF Bay Trees, Boxwood<sup>AND</sup> Aucubas

### Bay Trees (*Laurus Nobilis*).

#### Standard or Tree-Shaped.

We offer a recent importation of excellent trees of exceptional good value, dense bushy heads, of rich dark-green.

High.	Diameter.	Each.
Stems, about 45 in. . . crowns, 24 to 26 in. . .		\$6.00
" " 45 in. . . " 26 to 28 in. . .		7.50
" " 45 in. . . " 30 to 32 in. . .		10.00
" " 45 in. . . " 34 to 36 in. . .		12.50
" " 45 in. . . " 40 to 42 in. . .		15.00

#### Dwarf Standards.

High.	Diameter	Each.
Stems, about 24 in. . . crowns, 15 in. . .		\$2.00
" 28 to 30 in. . . " 20 to 22 in. . .		4.00
" 30 in. . . " 24 to 26 in. . .		6.00

#### Pyramidal Shaped.

High.	Diameter at Base.	Each.
3 feet . . . 16 inches . . .		\$2.00
4½ " . . . 24 to 26 " . . .		6.00
5 " . . . 26 to 28 " . . .		7.50
6 " . . . 30 " . . .		10.00
6 " . . . 32 to 34 " . . .		12.50
7 " . . . 38 to 40 " . . .		15.00

#### Pyramid-Shaped Box.

Good, Shapely Specimens of good value.

High.	Diameter at Base.	Each.
30 to 36 inches . . . 15 inches . . .		\$2.00
40 to 42 " . . . 16 to 18 " . . .		2.50
48 to 50 " . . . 18 to 20 " . . .		4.00
54 to 60 " . . . 20 to 22 " . . .		5.00

#### Standard or Tree-Shaped box.

High.	Diameter.	Each.
Stems, 20 to 24 in. . . crowns, 12 to 14 in. . .		\$1.25
" 20 to 24 in. . . " 14 to 16 in. . .		1.50
" 22 to 24 in. . . " 22 to 24 in. . .		3.50

#### Bush-Shaped Box.

A nice lot of shapely, bushy, plants useful for decorative work, filling window boxes, etc.

High.	Per Doz.	Per 100.
10 to 12 inches . . . . .	\$2.00	\$15.00
12 to 15 inches . . . . .	3.50	25.00

#### Aucuba Japonica.

High.	Each.	Per Doz.
Very bushy plants, 12 in. . .	.30	\$3.00
" " 18 to 20 in. . .	.40	4.50
" " 24 in. . .	.60	7.00

A limited lot of specimen plants, very fine. \$3.00 each.

For the most complete list of seasonable stock that can be offered at this season of the year see our current Wholesale Price List.

\*If you have not received a copy it will be mailed to you on Application.

# HENRY A. DREER, Inc.

714 Chestnut St., Philadelphia, Pa.



PYRAMID BAY

NEW

BAMBOO STICKS

NEW

COLORED

GREEN

Far superior to wooden sticks. SLENDER, DURABLE AND CHEAP. Sizes 1½, 2, 3 and 4 feet. Samples Free of Charge with quotations. C.S.

NEW

The Yokohama Nursery Co.

31 Barclay St., NEW YORK

NEW

# CHRYSANTHEMUM NOVELTIES

## THE GRANDEST LOT I HAVE EVER HAD

### POCKETT'S CRIMSON

Crimson and Gold, the finest thing in its color ever sent out. Won first in seedling red at Chicago and was then awarded the sweepstakes as being the finest thing in the 14 classes of seedlings. Has received four other certificates.

### MRS. O. H. KAHN

The finest thing in bronze. A big winner at Chicago, and has received half a dozen certificates.

### C. H. TOTTY

A Chestnut Scarlet that will stick at the top for years. Stem and foliage ideal.

### POCKETT'S SURPRISE

A Monster Crimson with grand stem and foliage.

### YELLOW MILLER SPORT

A yellow sport from the bronze Miller that will be a record breaker.

Clara Wells, Frank Payne, Leslie Morrison and all the rest of the good ones.

Orders will be filled in rotation for delivery in the New Year. Preliminary List Now Ready.

## CHAS. H. TOTTY, MADISON, N. J.

### BARGAINS

in KENTIAS and other Decorative Plants, all sizes. Also the following at Lowest Import Prices. 15,000 Azaleas, best commercial varieties, from \$25.00 per 100 to \$2.00 each. A fine lot of Rubbers, Crotons, Araucarias, Pandanus, Asparagus plumosa and Sprengerii.

#### SMALL FERNS

for table decorative purposes at lowest wholesale rates.

**A. LEUTHY & CO.,**  
Perkins St. Nurseries, ROSLINDALE, MASS.

### HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

### GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

### DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N. J.

The Northboro Dahlia and  
Gladiolus Gardens

Offer for Spring 1909

300 selected varieties of Dahlias and one half million large-flowering Gladioli in mixtures, in lots to suit. Send list of your wants. Catalogue free.

J. L. MOORE, Northboro, Mass.

### DECORATIVE PLANTS

Araucaria Excelsa, Pandanus Utilis, Dracaena Indivisa, Kentias, Latanias, Arecas, Etc. Perennials and Shrubs.

4 inch Araucarias,.....	50 cents each.	6 inch Araucarias,.....	\$1.00 each.
5 " " " " " " " " " "	75 " " " " " " " " " "	7 " " " " " " " " " "	\$1.25 and \$1.50 " "

#### FERNS FOR DISHES.

SEND FOR OUR PRICE LIST.

WE HAVE A COMPLETE STOCK.

### The Geo. Wittbold Co.

1657 Buckingham Place,

Chicago, Ill.

### PALMS AND FERNS DECORATIVE PLANTS

#### JOHN SCOTT

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

#### NEP. WHITMANI

2 1/4 in., \$5.00 per 100

#### NEP. WHITMANI

3 1/2 in., \$25.00 per 100

#### BOSTON FERNS

2 1/4 in., \$3.00 per 100

H. H. BARROWS & SON Whitman, Mass.

### PEACOCK'S NEW DAHLIAS

SEND FOR LIST

**PEACOCK DAHLIA FARMS**  
Williamstown Junction, N. J.

Established 40 Years

### Rose Hill Nurseries

New and Rare Plants

NEW ROCHELLE, N. Y.

New York Office, Siebrecht Building, 425 Fifth Avenue

**A. N. PIERSON, Inc.**  
CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

### FERNS FOR DISHES

Assorted Varieties

From 2 inch pots \$3.50 per 100; \$30.00 per 1000

#### PRIMULA OBCONICA

Strong Plants from 2 1/2 inch pots \$3.00 per 100

CASH WITH ORDER.

**FRANK OECHSLIN,**  
2570 to 2606 W. Adams St., Chicago, Ill.

Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.

## Early Flowering Chrysanthemums

The readers of HORTICULTURE and myself in particular, are much indebted to Mr. Totty for the further information regarding the possibilities of the English early-flowering chrysanthemums. These plants, I am fully convinced, are going to be grown more widely in the future than they have been in the past, and for this reason any information we can get regarding their culture in this country will be warmly welcomed.

Mr. Totty in the second paragraph of his communication made much of an alleged mistake which I made in reading his original article in the Florists' Review. I take it that he means to convey that early-flowering singles on the one hand and the double varieties on the other belong to separate classes and cannot by any means be classed together under the one heading, i. e., early flowering chrysanthemums. Does Mr. Totty mean to say that the so-called new branch of early singles mentioned by him would do better than the doubles in this country? If this is the drift of his argument, then I must ask him to tell us how he has arrived at this paradoxical conclusion.

In the fourth paragraph of Mr. Totty's reply I find the following: "Mr. Wells has a new strain of early singles that are not yet on the market, and it is to these singles that I was referring as possible useful border plants for us." Now, Mr. Totty, so far as I am concerned your explanation does not alter the case one little bit. In the first place I would like to state here that early flowering singles have been on the market, to my knowledge for at least seven or eight years. I myself have grown quite a number of them, as far back as five years ago. I have also kept in touch with Mr. Wells' introductions in this class, and I cannot honestly say that I have ever noticed one point in the habit, growth, or constitution of an early single, which would entitle them to be classed as being more suitable than the double for use as border plants in this country. It may be possible, of course, that Mr. Wells has a batch of seedling singles on trial, for the purpose of adding to the splendid list of border singles which he has already put on the market.

I was greatly pleased to learn that Mr. Totty was in sympathy with all I had said in favor of the early flowering varieties. I was also pleased to have him say that their usefulness was unquestioned, but I cannot agree with him, that there is not much money to be made on them. If their usefulness is unquestioned, then I say, so is their profitableness. The public buy asters and such like for the simple reason that they have no choice in the matter, as that class of flower is about all there is to be had at that time of the year. Give them something new, something out of the usual year-after-year run and then you will see what will happen.

Mr. Totty is looking for a flood of Golden Glow next fall, and I rather think he is about right. If any one wishes to hedge a little, to use a sporting expression, I will give the tip. Try a batch of White Quintus; keep them well pinched at the start, then let them go, suckers and all, and when the fall comes round they will run the Golden Glows right out of the market, and make them look like a two-cent bunch of dandelions.

A very common fault with the early flowering "mums," both singles and doubles, is their habit of running straight into flower, when we get them into their flowering pots. People are apt to get discouraged at this, and dump them straight away, but even in England we will find that the earlies behave in this manner. The best plan is to get your cuttings rooted rather early, and keep them growing in a rather cool house, taking care never to allow them to become pot bound. With most varieties of this class we depend on the suckers and shoots near the base to make the future plant. The plant proper may be cut off after they are potted into their finals.

It is also a good plan to grow them where they will be just a trifle shaded during the hottest part of the day. In most places we can find a situation such as this. If one takes just a little care with them, and makes an effort to keep them growing, plants may be had, the equal, yes, and even superior to those grown in England.

North Easton,  
Mass.



## Chrysanthemum Anna

Our cover illustration for this issue attractively sets forth the merits of the single flowered chrysanthemums. Grown to the neat, symmetrical, free-flowered specimens to which many of them are naturally adapted they make an object of beauty and in the exhibition hall supply the needed contrast with the massive effects of the huge flowered Japanese section. This class of chrysanthemums can hardly be improved by increasing the size of the individual blooms. Rather should the raiser of new varieties strive for richness of foliage, floriferousness and where required in plant form, compact symmetrical habit. For cut flower purposes there are many ways in which long arching sprays may be effectively used. In the latter case the flowers should be produced under glass, as the colors are much clearer than when exposed to the open air and wide extremes of temperature.

The variety illustrated is an introduction of Elmer D. Smith & Co. Edwin Jenkins, to whom we are indebted for the photograph, was awarded a certificate for it at the exhibition of the Lenox Horticultural Society.



# HORTICULTURE

VOL. VIII

NOVEMBER 28, 1908

NO. 22

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per inch, 30 inches to page . . . \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (24 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Chrysanthemum "Anna".....	
EARLY FLOWERING CHRYSANTHEMUMS—Wm. McM. Brown .....	705
CHRYSANTHEMUM "ANNA".....	705
TREE TALKS—Jackson Dawson.....	707
NEWS OF THE CLUBS AND SOCIETIES:	
Detroit Florists' Club—American Carnation Society—Chrysanthemum Society of America—North Shore Horticultural Society—Practical Results for the S. A. F.—Club and Society Notes .....	708
Coming Events.....	709
FRENCH NATIONAL CHRYSANTHEMUM SOCIETY—C. Harman Payne.....	709
SOME CHRYSANTHEMUM NOVELTIES — Illustrated .....	710
Chas. H. Totty—Illustration.....	711
INDOOR FRUIT CULTURE—Wm. Downs.....	711
SEED TRADE:	
Important Decisions Regarding a Seed Growing Contract—Notes—Incorporated .....	716
The Cauliflower Crop.....	717
OF INTEREST TO RETAIL FLORISTS.	
Plant and Flower Combinations for Table and Mantel Work—Steamer Departures.....	718
A Floral Design, Illustration — New Retail Flower Stores.....	719
FLOWER MARKET REPORTS:	
Boston, Chicago, Detroit, Indianapolis, Philadelphia .....	721
New York.....	723
OBITUARY—E. Leedham—J. E. Sills—James Lewis—J. A. Nisbet—Frank Ben —James Henderson —S. W. Flower.....	730
MISCELLANEOUS:	
Appraisers' Decisions.....	716
Catalogues Received.....	716
Business Changes.....	719
Personal .....	719
Detroit Personals.....	721
News Notes.....	721
Local Flower Shows.....	723
Plant Imports.....	728
Greenhouses Building or Contemplated.....	730

that it is not so much that which is past as the promise of what is to come that gives especial cause for thanksgiving and heart comfort. The future certainly looms up in much more inviting aspect to most of us than it did one year ago. That it may prove no elusive promise but may yield abundantly of every blessing and bring to each and every one prosperity and happiness in fullest measure is HORTICULTURE's sincere wish for all who read these lines.

"Men," it has been said, "are but boys of a larger growth." This saying comes to our mind rather pertinently as we contemplate the simple-minded

and exuberant pleasure which our great men and women in Washington seem to take in getting seedling chrysanthemums named after one another and the gracious diplomacy with which our friends, the government gardeners, provide a fresh batch of new varieties for this harmless pastime each season. What matters it that these productions with their aspiring titles are never called upon to pass the ordeal of the chrysanthemum committee's searching eye, that their fame makes no stir beyond the charmed circle in which they scintillate and that, in all probability they will never be heard of again. "Tis neither here nor there." Outside of the group of mutually charmed participants the ubiquitous newspaper correspondent seems to be the only party who takes the little comedy seriously.

Following close on the heels of the organization of the retail florists in New York comes the news of a similar action on the part of the

violet growers of the Rhinebeck district "for the purpose of encouraging the cooperation of violet growers and for the protection and advancement of their common interests." HORTICULTURE has always been ready to applaud organization. Organization makes possible much that can never be accomplished without it. Wisely used, in the hands of broad minded and capable leaders, organization is a tremendous power for good. We can detect elements of danger, however, in the multiplicity of special class organizations, the component parts of which have interests which under misguidance might become antagonistic. Events in connection with the recent football excitement in New Haven and its relation to the violet trade, for instance, are rather disquieting, if our information is correct, and suggest the need of guarding against unconsidered and precipitate action. Whether growers, wholesale or retail, there is plenty of scope for useful work by each of these trade societies but on questions which vitally concern them all, and for their common interests, the need of some means for conference and cooperation will, we believe, soon become manifest. Here is, perhaps, an opportunity for our young S. A. F. strategists who are now taking the reins of leadership in that organization, to evolve a plan of affiliation between these specialized bodies and the great national association which shall make for harmony through a submission of all disturbing questions to dispassionate consideration of an acceptable intermediary board as they come up.

Hopeful  
gratitude

Thanksgiving Day with its time-honored feasting and good cheer inserts its welcome presence between and between the business activities of the week and bids us forget for the moment the cares and worries of past, present and future and turn to view the kindest, sunniest side of our nature. As we share with kindred and friends in gratitude and felicitation this year many may feel

## Tree Talks

### IV.

#### CARE OF THE ROOTS IN TRANSPLANTING

As soon as a tree has shed its leaves it is as much at rest as at any subsequent period; unless it is frozen its torpor is greater at that time, because its excitability is completely exhausted by its season of growth, and it has had no time to recover it. If at that time the root is wounded a process of granulation will commence, as it does in cuttings, and from that callus, as we call it, will, in the spring, emit new roots, which will soon form reservoirs from which the tree can draw its nourishment from the earth. Since the roots must be wounded more or less in taking up to transplant, the sooner it is done after the fall of the leaf the better it would be were it not for the cold, dry air of our winters. Further South the fall is the best time to transplant trees, but in this State, if it cannot be done before heavy frost, as early as possible in the spring.

The accidents to which the roots of transplanted trees are liable are of such a kind that it is impossible to prevent their being exposed to the air, sometimes for a considerable period. It is, therefore, of the first importance to have the roots kept as moist as possible until they are planted in the moist soil. Many valuable trees have been lost by the drying up of the roots, especially when the buds have started to grow before the trees have been taken up.

Next in importance to the selecting of a fitting season is the preservation of the roots of transplanted trees. The former is of little consequence if the latter is not carefully attended to. Some plants will live and succeed with the rudest of treatment, and bear the most severe mutilation without much suffering, but these are special instances of extreme tenacity of life and do not affect general principles. In taking up trees it is necessary to have every minute fibre of the roots, if possible, but as this can hardly be done the trees should be lifted with the least possible destruction of these important organs, remembering that it is not the coarse, old, woody roots by which the absorption of food is carried on, but by the younger parts, especially the spongioles. The soil should be carefully removed at some distance from the stem of the plant, so as to insure as many young roots as possible, digging well down and undermining the plant, so that with a gentle pull the tree may be removed without straining or stripping the roots, as is often done where a spade is thrust down close to the stem, and, as soon as a few roots are cut, the tree is pulled out with force, which wrenches the bark and strips the roots of most of their fibres. Under all ordinary circumstances the roots will be injured more or less by removal. In that case all the wounds should be cut smooth with a good sharp knife, at an angle of about forty-five degrees, or less. If the ends of small roots are bruised they generally die back a little way, then emit fresh spongioles, but the larger roots, when bruised, lose much of their vitality. Their injured tis-

ues being open to the uncontrolled introduction of moisture, decay in consequence, and often become the seat of disease, which spreads to parts that, otherwise, would be healthy. If the wound is cut clean the vessels contract and prevent an excess of water in the interior, the wounds heal by granulation, formed by the living tissue, and the readiness with which this takes place is in proportion to the smallness of the wound.

#### ROOT PRUNING

It may sometimes be advantageous to remove large roots even if not bruised, the object being to compel the plant to throw out a supply of young fibres. This is a common practice in nurseries where oaks or other large tap-rooted plants are grown, and where large trees are required to be removed, this root pruning is one of the safeguards to success. The reason why cutting off a portion of the principal roots causes a production of fibrous roots appears to be this; the roots are produced by organizable motes sent down from the stem, that water if uninterrupted flows along the main branches of the roots until it reaches the extremities, adding largely to the wood and horizontal growth of the root, but increasing in a very slight degree the absorbent powers; but if a large root is cut off the powers of the stem remaining the same, all the descending water, which would have been expended in adding to the thickness of the amputated parts, is arrested at the time of amputation, and, unable to pass further, rapidly produces granulations to heal the wound, and young spongioles soon establish themselves in the surrounding soil and become the points of the new active fibres.

Root pruning is also of great service in promoting fruitfulness in trees that fail to produce fruit on account of their excessive vigor. If a deep trench is dug around them, at some distance from the tree, and the large roots cut back, the rank growth of the tree will be stopped almost immediately, and by stopping the excessive vigor of the plants fruit buds are formed. Thus a plant in sterile soil and exposed situation will flower sooner and more abundantly than one in a rich and shaded place.

*Jackson Dawson*

*Arnold Arboretum.*

## Coming

The Fourth Annual Holiday and Anniversary Number of HORTICULTURE. If you have anything to sell wake up. HORTICULTURE reaches the buyers.

HOLIDAY TRADE NUMBER WILL BE ISSUED

**December 12—Prosperity Waits**

## An Exceptional Opportunity for Investment

The first or ground floor issue of stock of any enterprise is necessarily the most liberal; therefore, the best to invest in. **A successful GOING concern can obtain all the money required at 6%.** A new concern must give more and if you want to make more, **you must go in with a new company.**

This Company is a new company for growing cut flowers and has the ear marks of a bonanza right in your own business. It is the best proposition in our business in the country **TODAY.**

There is just as much money in the flower business as in any other and, on an average, a great deal more, though we generally try to make ourselves believe the other fellow makes his money easier than we do.

Robert Miller, President and Manager of the Company, has made a specialty of growing roses for the market for fifteen years and is a graduate of the Waban Rose Conservatories, Natick, Mass.

The manager will be insured to the Company **for the full amount of subscriptions**, making the investments absolutely secure, and in case of death, 100% to the good.

The stock is \$10.00 a share, its par value; it is preferred in principal as well as in dividends. It is voting stock, and is participating and non-redeemable, and is the most liberal stock on the market today. It is secured in every possible way against risk of loss.

Bonuses of common stock are given with the preferred according to the amount of preferred purchased.

The plant will be located in one of the **Richest Territories of This Country where there is a Superabundance of Sunshine, Cheap Fuel, Elegant Soil, A Tremendous Demand for Flowers, and Practically No Competition.**

Do not let this opportunity go by, and do not forget the **FACT that the first issue of stock is the one you must get if you want more than savings bank interest on your money.**

Ask for an interview with the President and he will gladly call on you and explain the proposition in detail.

Send for circular and get in on the ground floor.

This is not a hole-in-the-ground proposition where you can't see or possibly know anything about it, except by taking the say-so of some high finance dealer, but an all above-ground and above-board proposition that you are just as familiar with as any of the directors and you could direct it yourself without any serious trouble.

This is an age of combination of effort and we want your co operation.

**Agents wanted to sell stock on commission and partner wanted to take active share in the business.**

**THE MILLER FLORAL CO.**  
East Brookfield, Mass.

## News of the Clubs and Societies

### DETROIT FLORISTS' CLUB.

A very profitable evening was the last meeting of this club on November 18. A fall show of local products which would have been a credit to a much larger body of men than we represent added to the interest. Bassett & Washburn favored us with a display of their grand novelty, carnation Orland P. Bassett. Elmer D. Smith was here personally with an exquisite collection of twenty-five varieties of show blooms.—of what, he did not tell us. A veritable encyclopedia on chrysanthemums this man Smith is. He has now 4000 new seedlings, half of them early and half medium and late. He is also working on a strain of chrysanthemums which will bloom out-of-doors in August, but it will be a couple of years yet before any of them can be sent out. Would that not help us in replacing the ever-failing aster?

Aug. Von Boeslager showed a very strong blood red carnation novelty named Clara. Thos. F. Brown took the plum for local product; he exhibited two vases of Timothy Eaton and Dr. Enguehard, the like of which was not even seen in Chicago. A great many other exhibits in chrysanthemums, roses, cyclamens, orchids, ferns, etc., were fully worthy the admiration of a larger public than the local club contingent and it was regrettable that neither prizes nor certificates of merit were offered.

During the regular meeting all enjoyed a paper read by S. S. Skidelski entitled, "The Trend of the Times."

The question box was empty, but our guest, Elmer D. Smith, was sorely tried and innumerable were the questions which he most cheerfully answered for the benefit of all.

FRANK DANZER.

### AMERICAN CARNATION SOCIETY.

For the exhibition to be held in conjunction with our annual meeting at Indianapolis, Ind., Jan. 27 and 28, any grower desiring to have their carnation named in Class B of fifty blooms, named varieties, \$5.00 first, and \$3.00 second prize, (varieties disseminated prior to July 1st, 1908,) can have the variety inserted in the Premium List by sending the name and guaranteeing the payment of the prizes to Albert M. Herr, Lancaster, Pa. It is the aim of the Society to have this list as extensive as possible without too much expense to the Society and we hope that introducers will have enough pride in their introductions to see that they are entered in this list. To secure insertion, names must reach the Secretary on or before Dec. 4th.

### Carnation Registered.

By F. Dornier & Sons Co., LaFayette, Ind.: "Pink Delight." An even, clear, waxy, shell pink with just a trace of salmon which heightens and holds the color under all conditions.

ALBERT M. HERR, Sec.  
Lancaster, Pa.

### CHRYSANTHEMUM SOCIETY OF AMERICA.

#### Work of Committees—Report on New Chrysanthemums.

No. 20; Inc. Light pink. Exhibited at Chicago, Nov. 7, 1908, by C. H. Totty, Madison, N. J. Scaled 86 points commercial.

Mrs. W. E. Kelley; Inc. Yellow. Exhibited at Chicago, Nov. 7, 1908, by Elmer D. Smith, Adrian, Mich. Scaled 87 points commercial.

Sport from Dr. Enguehard; Jap. Inc. Light pink. Exhibited at New York, Nov. 17, 1908, by John J. Kean, Jersey City, N. J. Scaled 74 points commercial.

Canadian Seedling No. 20; Jap. Inc. Light pink. Exhibited at New York, Nov. 17, 1908, by C. H. Totty, Madison, N. J. Scaled 85 points commercial.

The variety No. 58-2 exhibited by E. D. Smith in Philadelphia and Cincinnati, Oct. 24, which scored 88 points commercial and 90 points exhibition, is the variety which has been named President W. H. Taft.

DAVID FRASER, Secy.

### NORTH SHORE HORTICULTURAL SOCIETY.

At the regular meeting of this society November 20, the lecturer of the evening failing to appear the question box was turned to for discussion. One question brought up the subject of natural rotation of trees and plants in forest lands. Many interesting problems were brought out as to what the plants that appear after fires and lumbering operations spring from, seed or roots. For instance, a crop of wild strawberries immediately after cutting off pine forests; or blackberries after a woods' fire.

R. A. MITCHELL.

### PRACTICAL RESULTS FOR THE S. A. F.

At the National Flower Show, the membership of the S. A. F. was increased by forty-seven annual members and one life member. This is a very good showing in comparison with the convention at Niagara Falls where the accessions to the annual membership were sixty-three and the life members three.

### CLUB AND SOCIETY NOTES.

The Pasadena (Calif.) Gardeners' Association, at a special meeting on Oct. 30, put themselves on record as opposed to the present plan of the City Commissioners of planting and caring for street trees.

The annual convention of fruit growers, truckers and gardeners will be held in the State House, Indianapolis, Ind., Dec. 2, 3. \$300 in premiums are offered for exhibits. For entry cards, premium list etc., address to B. Flick, Room 11, State House.

At the Albany Apple Fair held at

# U KNOW US Y PAY MORE LETS KNOW U IMMORTELLS \$12.00 PER HUNDRED BUNCHES

(IN ORIGINAL CASES OF 125 BUNCHES)

We are selling the BEST QUALITY FRENCH RED IMMORTELLS at \$12.00 per hundred bunches. Just received another Large Importation on S.S. "MANITOU." Orders filled immediately upon receipt—All other Dependable Supplies at Lowest Market Prices—SATISFACTION GUARANTEED. What more can we do?

THE LEADING FLORISTS' SUPPLY HOUSE  
AND RIBBON SPECIALISTS

RIBBONS

M. RICE & CO.  
IMPORTERS AND MANUFACTURERS  
1220 Race St., Philadelphia, Pa.

Albany, Ore., Nov. 11. Marion County won the first silver cup, Polk County the second. In individual exhibits Benton County won five silver cups, Linn County three, Lane and Marion Counties each two and Polk County one.

The Pasadena (Calif.) Nurserymen's Association has been organized, and constitution and by-laws will be drawn up and presented at the next meeting. Ten members were enrolled and officers chosen as follows: President, Thomas Chisholm; secretary, P. E. Gould; treasurer, J. E. Wagner.

The Columbus (O.) Florists' Club met on Nov. 10 and elected R. A. Currier, president; C. P. Torrey, vice-president; J. Reichert, treasurer; Jas. McKellar, secretary; J. H. Williams, sergt-at-arms; Sherman Stephens, G. Rauman, I. D. Seibert, Wm. Metzmaier and C. D. Batelle, trustees.

At the meeting of the Toledo Florists' Club on Nov. 19, there was a goodly collection of blooms and prizes were awarded to Krueger Bros. Co. and E. A. Kuhnke for carnations, Messrs. Halbish and Kuhnke for chrysanthemums and Krueger Bros. Co. and the State Hospital for roses.

It was decided to hold a flower show for the benefit of the Toledo hospital the last of February or first week in March.

## COMING EVENTS.

Baltimore, Md.—Horticultural Society, Dec. 1, 2, 3, Fifth Regt. Armory.

Indianapolis, Ind.—State Horticultural Society, Dec. 2, 3.

So. Haven, Mich.—State Horticultural Society in conjunction with the So. Haven and Casco Pomological Society, Dec. 2, 3.

Columbus, O.—Columbus Horticultural Society, flower show, first week in December.

Springfield, Mo.—Missouri Horticultural Society, Dec. 8, 9.

Spokane, Wash.—National Apple Show Association, Dec. 7-12.

Council Bluffs, Ia.—Southwestern Iowa Horticultural Society, annual meeting, Dec. 15-17; National Horticultural Congress, Dec. 14-19.

Lynchburg, Va.—Virginia Horticultural Society, Jan. 6-8, 1909.

Indianapolis, Ind.—American Carnation Society, Jan. 27, 28, 1909.

## FRENCH NATIONAL CHRYSANTHEMUM SOCIETY.

The above-named society held its 13th annual congress at Tours on the 3rd to 5th November, in conjunction with the Tours Horticultural Society. An excellent exhibition of fruit, flowers and vegetables was arranged for the schedule, comprising about one hundred classes. The jury was composed of about forty gentlemen interested in horticulture both locally and elsewhere. Mr. Harman Payne was nominated honorary president of the jury, with Mr. George Bruant, the eminent nurseryman of Poitiers, as vice-president. Among others present either officially or otherwise, were Philippe de Vilmorin, Ernest Calvat, Philippe Rivoire, Pinguet-Guindon Charmet, Chaubrier, Barbier Choulet, Dubrueil, Durand, and other well-known admirers of the chrysanthemum.

The grand prize of honor was awarded to M. Pinguet-Guindon for a remarkable and interesting collection of conifers, trained fruit trees, fruit, etc., mostly staged in the large open square called the Place de la Gare. There was also a collection of ornamental trees and shrubs from the same exhibitor. M. Jouanneau showed trained fruit trees in variety.

The major portion of the show was held in an immense tent about 220 ft. long by 125 ft. in width. The exhibits were all arranged in turf-bordered beds on the ground level, and comprised besides chrysanthemums some grand examples of heaths, cyclamens, begonias, etc., which are a specialty of the nurserymen in and around Tours. Ernest Calvat had a fine lot of new seedlings, an enumeration of which must form the subject of a special note later on. Alfred Chaubrier showed new seedlings, as did the Marquis de Pins, M. Dolbois, M. Heraud and others.

The leading exhibitors of cut blooms and plants were Messrs. Reugny, Pellissier, Bachet, Robert de Rochecorbois, Page Laplane, Parrot, Buret-Reverdy, Le Clerc, Dupont, Fierdried, Allery Aubert, Dalliere Queneau Poirier, Travouillon, Moretster Montigny, Barillet and others. M. Pinon had a remarkable group of trained specimens of all kinds and was awarded one of the leading prizes. The plants were trained as fans, pyramids, immense standards and other designs, and occupied the whole width of the show. Vilmorin Andrieux & Co. had two fine groups of pot plants well flow-

ered and charmingly arranged. There were a couple of large groups of pot chrysanthemums also staged by Bernier-Mennier.

Rapidly reviewing the Tours Show—for we can do no more, being on our way to the great show in the capital

we may mention the exhibit by Aubert Maille of Begonias Turnford Hall, Glorie de Lorraine, and white Anthesis Perfection. Gladioli were staged by M. Loiseau, a capital lot. M. Guillerins showed a fine lot of Begonia Viady 6 ft. high. Dalliere & Son had Begonia Alleryi in gigantic plants. M. Jubant staged some fine specimens of Begonia gigantea. M. Lionville had some hairy varieties of chrysanthemums which are now seldom seen at either English or French shows.

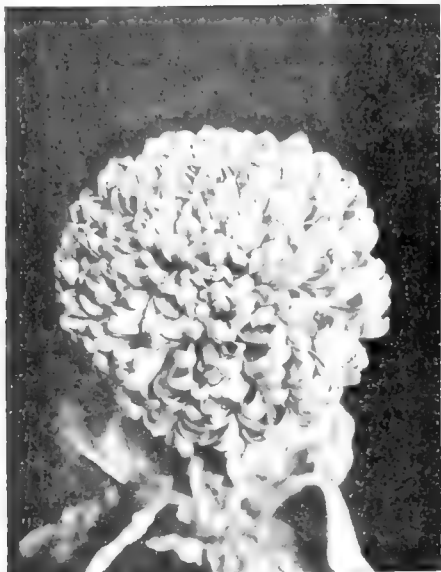
Vegetables made a fine display. Specially grand and varied in extent were the collection sent by Vilmorin Andrieux & Co., M. Berger, M. Sussier and others. Other exhibitors were Messrs. Bouchaud, Robert, Dupont, Fierdried, Boucard, and many more, all of whose exhibits would necessitate a catalogue, so numerous were the sorts exhibited. We had almost forgotten to mention a meritorious vegetable exhibit by the Syndicate Horticole de Touraine.

The proceedings were highly interesting all through and the members of the Congress were warmly welcomed by the Tours Horticultural Society. On the first day after the operations of the jury there was a lunch presided over by M. Pinguet Guindon, the President. There was also a meeting of the Congress in the Town Hall, a handsome building placed at the disposal of the Society by the municipality, and in the evening an official banquet, at which the representative of the Minister of Agriculture distributed several decorations.

On the morning of the second day another meeting of the Congress was held, and in the afternoon an enjoyable excursion in motor cars to see some of the famous chateaux in the neighborhood, the vineyard at Vouvray and the famous wine-making establishment and cave of M. Vavasseur. The members of the Congress were also invited to a performance at the Municipal Theatre. On the third day the sights of the town were visited, and then the party broke up, most of them making their way to Paris for the great autumn show of the National Horticultural Society of France.

C. HARMAN PAYNE.

## Some Chrysanthemum Novelties



Mrs. O. H. Kahn



Frank Payne.



Mrs. Charles H. Totty.

The handsome new varieties illustrated herewith are included in C. H. Totty's list for this year. Following is a brief description of each:

**Pockett's Crimson.**—A glorious reflexed of the largest size, the color of G. W. Childs, crimson and gold. Foliage and stem are ideal. It has received four certificates and won the grand sweepstakes at the Chicago Show, being placed first of all the new kinds exhibited in fourteen classes.

**Charles H. Totty.**—A chestnut scarlet, altogether a bigger and better thing than Mrs. J. E. Dunne, stem and foliage perfect. Certificated by National Society (N. Y.) Florists' Club, Lenox Horticultural Society and Morris County Florists' and Gardeners' Society.

**Mrs. C. H. Totty.**—Light pink, true reflexed, a beautiful refined flower that appeals to every one. Dwarf, sturdy growth with foliage well up to the flower.

**Mrs. O. H. Kahn.**—A bronze with mahogany shading that lights up beautifully. Won the "any other color" classes on both the exhibition and commercial scale in the seedling competition at Chicago and has received five other certificates.

**Pockett's Surprise.**—Rosy crimson, one of Pockett's very best. It is a monster flower and has a very heavy stem that carries the flower perfectly. This as an exhibition flower will rank high, as the petals stand straight out and show to the best advantage.

**G. W. Pook.**—Entirely distinct in shape. Flower is loosely incurving and shows only the salmon bronze reverse. The growth is splendid and foliage enormous; has much more life in the color than Mrs. G. Heaume.

**Frank Payne.**—A light pink, same color as Lady Hopetoun, but has the advantage of making a stem heavy enough to carry the flower erect. It has been certificated in three countries.

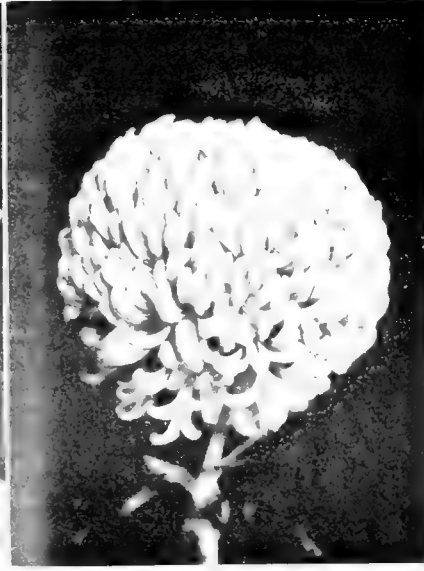
**Clara Wells.**—A true incurved and the largest in its type that we have. Color cream yellow. It will be heard from as a commercial grower's flower, as it can be planted closely and every bud produces a perfect flower. As a typical incurved it is the best thing we ever grew.



G. W. Pook.



Pockett's Crimson



Clara Wells.



# WHITE KILLARNEY

**"WABAN CONSERVATORIES VARIETY"**

**Awarded Silver Medal at Chicago and Boston Nov. 1909**

Own Roots						PRICE LIST							Crafted Stock			
Doz.	100	250	500	1000	2500	5000	Doz.	100	250	500	1000	2500	5000			
\$5.00	\$30.00	\$70.00	\$125.00	\$250.00	\$562.50	\$1000.00	\$6.00	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00			

ORDER FROM

**WABAN ROSE CONSERVATORIES, Natick, Mass., or, Salesroom—3a Somerset St. Boston**

DATE OF DELIVERY OF PLANTS CHANGED TO FEBRUARY 15th, 1909

## NEWPORT FAIRY

THE ROSE OF THE FUTURE FOR IN AND OUT DOOR.

**Fine Strong, Field-Grown Stock**

3—4 Shoots 3—4 ft. long;

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.**  
IRUTHERFORD, N. J.

## ROOTED CUTTINGS. YOUNG ROSE PLANTS.

ON ORDER ONLY.

	R. C.	2 1/2 in. Pots.	
MRS. JARDINE.....	6 cts. each	\$10.00 per 100	\$90.00 per M.
MY MARYLAND.....	6 "	10.00 "	90.00 "
KILLARNEY.....	6 "	5.00 "	45.00 "
RICHMOND.....	2 "	4.00 "	35.00 "
FRANZ DEEGAN.....	2 "	4.00 "	35.00 "

5% discount for cash on delivery.

**BENJAMIN DORRANCE,**  
ROSE GROWERS

3 Dorrance Farm,

Dorranceton, Penna.

### INDOOR FRUIT CULTURE.

Paper Read by William Downs before the Gardeners' and Florists' Club of Boston.

(Continued from page 603)

We built our graperies with low walls, giving a deeper front light than usual, thus giving so much additional rod space for fruiting. For carrying the heating pipes and walks in the place of the usual brick piers we used 2-in. galvanized pipes with uprights resting on the concrete. For drainage I made a regular Telford foundation about 8 in. thick, (having plenty of stone at hand), and over that put good strong sod with the grass down. Now as to the construction of the border itself; it is not necessary to make it more than 4 feet wide the first season and add to it as the roots make their way through it. A good strong loam cut with the grass on, about 6 in. thick, is the best. This should be chopped up roughly, and a good sprinkling of inch bones be added. If there is any danger of the soil becoming close some old lime rubble should be mixed with it, it being very necessary that it should be kept open. To this I would add one-fourth cow manure, as most of the loam we get is inclined to be poor. Yet I would not aim at too strong a growth the first season; by that I mean a soft sappy growth. I remember seeing once a magnificent house of canes the first season and they bore inferior bunches when they fruited. A healthy cane will grow tremendously the first season without much manure.

**Planting and Cutting Back.**

The border being ready to receive

the vines, comes the question of what to plant. I prefer to grow my own canes from vine eyes and plant out of 6 in. pots. We commenced our own houses as soon as the frost was out of the ground and I had good nice plants in 6 in. pots from eyes rooted that spring and they grew splendidly. We grew several of them in pots to fruit the next season and they grew to be ten or twelve feet tall. We also planted some year-old vines at the same time, cut back to one foot from

the ground, and the 6-in. pot vines made just as satisfactory growth as the older ones.

I want to digress here to say that we planted a row of vines on either side of the walk in the centre of the house to fruit temporarily and then, as the permanent ones grew up, to be discarded. These were from the 6-in. pots and the second season carried quite a number of bunches each. In sixteen months from starting I exhibited bunches of Muscat of Alexandra



Chrysanthemum Charles H. Totty.



## SOMETHING TO GROW OVER

*The Best Christmas Novelty Ever Offered*

# POINSETTIAS

With Foliage as Natural as the REAL

This Poinsettia is an Absolute Reproduction of the Natural. Five Sizes.

CHRISTMAS FOLDER AND PRICE LIST READY NOW.

**PITTSBURG CUT FLOWER CO., Ltd.**

222 Oliver Ave., PITTSBURG, PA.



weighing two pounds each. This gave us the fruit while waiting for our vines to grow and doing this gives a greater opportunity to get your vines established before fruiting, and does no harm to the permanent vines. The treatment of the permanent vines is to build up gradually what is to bear fruit a number of years, and must be so considered through the next few years. The growths should be cut back at planting time to about 12-in. from the ground and one strong lead taken, then this cut back the next season to about 4 ft., and this length should be added each year until the desired length is secured.

The second season it will be necessary to determine the buds to be left on either side of the rod to remain as spurs. These are best left alternately about twenty inches apart, this equalizing the crop all over the house, instead of the bunches coming in pairs. In regard to stopping the lateral growths, the amount of space between the vines must determine where to stop; generally two eyes beyond the bunch is considered right. A good system to follow is to cover all the roof with foliage, but not to have it too crowded. The distance between the vines should be not less than 4 ft., and 5 is better. Never allow the growths to develop so that they have to be cut with a knife, as this means a loss to the vines to take off so much foliage. It should be pinched when it is young with the thumb and finger.

### Tying In.

Perhaps here a word as to tying the vines to the wires, (which should be 18-in. from the glass.) Care should be taken that the leader is kept straight, as it gives the rod a much better appearance when straight. In tying a shoot down it must be done gradually—that is, not tied down all the way at once, or probably it will snap off. Another point I have noticed is that vines should be tied down when the sun shines, as there is less danger of their breaking. To help in this I used to sling the main rod about three inches below the wire and then the lateral did not have to be bent so far to get it to the wire. As to the cropping of the vine the second year, a bunch to the vine is sufficient, and one pound to a foot of rod is about the crop to be carried afterwards.

### Pruning.

In pruning back the vines after the

foliage is off, they should be cut in close to about two eyes which are at the base of the shoot close to the rod, as only one eye is necessary; this will avoid large unsightly spurs. They should be pruned early, or they are very apt to bleed; this is caused by the flowing of the sap. Should they bleed they can be stopped by painting over the cut with a mixture of shellac and alcohol. There is more harm done by overcropping the first few seasons than we think. A vine grows so vigorously that we are apt to think it capable of carrying more fruit than it is really able to, and if there is one thing more than another that I would warn the beginner against it is overcropping, as it takes a long time for them to recuperate after it is once done.

Another means of temporary cropping is by pot vines, and is very fascinating to most people. Years ago it was very fashionable in England, as grapes so grown were taken to the dining room and used from the vine. Bunches about one-half to one pound were grown in this way.

Of course to get fine berries thinning must be resorted to and this takes practice to acquire and a knowledge of the vine is necessary, as some varieties grow so much larger than others. A good way is to first cut out all the inside berries and then take all the small berries out, thinning the remainder so that they will fill up solid and not be too crowded. Later you will find that it will be necessary to take a few more out.

### General Cultural Advice.

As to temperature, start with a night temperature of 45 deg.—the day 10 or 15 deg. higher—raising gradually as the buds swell until a temperature at night of 60 to 65 deg. may be maintained, when the vine is in good growth. During the flowering period a rather lower temperature is desirable, and a free passage of air maintained to get the pollen dry. I found even with Muscats that they set better in a lower temperature than in a high one. All I ever did was to give the vines a good shaking while the sun was shining and the ventilation on the house, and in the case of Muscats I drew my hand lightly down the bunch. Another method is to give a very light syringing when they are ready to set. When the seeds are being formed, a rather lower temperature should be kept, and when color-

ing, plenty of air and judicious watering is necessary to bring out the best flavor. Plenty of moisture should be kept in the house when they are starting and growing, until flowering and coloring time, when it should be kept drier, gradually lessening it until the fruit is ripe, when the house should be kept dry as possible. The border should be kept on the dry side but not so dry as to cause the fruit to shrivel.

### Care After Fruiting.

After the fruit is cut, many growers neglect their vines. This should not be. They should be syringed daily to clean the foliage and if any red spider has got in, it can be got rid of in this way. Another good practice is to shorten the growths after the fruit is cut, letting in more light and air to ripen the wood, and also helping to plump the buds near the rod. All the air possible night and day, and even a little frost is what they want, and to keep cool as possible until you are ready to start them. Before starting, all loose bark should be trimmed off, but I don't approve of a regular skinning of the rods. Formerly a coating of mud, soot, sulphur and cow manure was painted on, but either kerosene emulsion or Scalecide is all that is necessary to clean up the vines. The house should be thoroughly washed, and if the vines have been badly infested with insect pests it is well, if not painting, to go over the entire wood and iron work with kerosene.

### Feeding

As to feeding; the grape being a rampant grower, naturally it needs liberal treatment, and I have found that after they get into growth you can give them feed about every time you water them, except perhaps during the stoning period, when they are to some extent at a standstill. I like to fork in lightly at starting time a good dressing of bone, following this up with sheep manure when they are from four to six inches long, as no new roots are formed until that time. Then alternately bone, sheep manure, dried blood and one or two dressings of Thompson's vine manure, one pound to the square yard, when a mulching of cow manure is very beneficial. I think more of blood and bone than of the others, the bone being rich in phosphoric acid builds up in fruiting form the wood produced by the nitrogenous manure. Still if I was tied to one manure I should say that

# THE NEW CRESTED SCOTTII FERN

## NEPHROLEPIS SCHOLZELI

**T**HIS crested sport of Scottii will hold the same position to all the crested forms of Nephrolepis that Scottii now holds to the Boston. It is entirely distinct from all others and will become even more popular than its parent with which it is identical in every way except that the pinnae are subdivided, giving it a beautiful crested appearance.



NEPHROLEPIS SCHOLZELI

We have shown the plant at the Exhibitions noted below and have been awarded the following honors:

**Shaw Gold Medal,** St. Louis Horticultural Society November 3rd, 1908. For "Best plant, of decided merit for cultivation, not previously an article of North American commerce."

**Silver Medal,** offered by the Society of American Florists, through the St. Louis Horticultural Society, November 3rd, 1908. For "The most meritorious plants or flowers of American origin."

**Certificate of Merit,** of the Horticultural Society of St. Louis, November 3rd, 1908.

**Silver Medal,** Pennsylvania Horticultural Society, Philadelphia, November 3rd 1908, for the best new plant.

**Certificate of Merit,** Massachusetts Horticultural Society Boston, November 6th, 1908.

**Certificate of Merit,** Dutchess County Horticultural Society, Poughkeepsie, N. Y., Oct. 30, 1908.

**Certificate of Merit,** Morris County Gardeners' and Florists' Society, Madison, N. J., Oct. 30, 1908.

**Certificate of Merit,** Chestnut Hill Horticultural Society, Philadelphia, Pa., Nov. 4, 1908.

We are booking orders now which will be filled in strict rotation, June 1st, 1909.

Price per dozen, \$3.50; per hundred, \$25.00; per thousand, \$200.00. Twenty-five supplied at one hundred rate and five hundred at thousand rate.

# HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Thompson's was the best. Some growers use phosphates and nitrates but except in the hands of experts they are best left alone. Never apply manures when the borders are dry; rather give them a moderate watering today, then the manure and another tomorrow. This for two reasons: the vine suffering for want of water is apt to take up more manure than is good for it at one time, and it is apt to wash much of the manure through the border if it is very dry.

As much of the surface of the border as possible without disturbing the roots should be taken off each year before starting, and a rich mulch put on. This would be the time I should apply the bone I spoke of at starting time.

### Syringing and Shading.

Liberal syringing every fine day, and frequent damping through the day, shutting up with sun heat in the afternoon, avoiding cold draughts on the young foliage, yet giving all the air possible to get it hard and leathery, making the vines as sturdy as possible,

are the main points to be followed. A crack of night air whenever possible strengthens the vines and often prevents scalding, which is the result when the ventilating is not attended to early on bright mornings. A slight shade on Muscats seems to be necessary to keep the foliage from burning. Some do not do this, but I fail to see how the best results can be obtained when the foliage is more or less burned. This can be gradually removed when the fruit is ripe, and the color of the grapes will soon show the effect.

### Varieties.

As to varieties. This is governed mainly by the requirements of the owner. Muscat of Alexandria is no doubt the first favorite, but Black Hamburg can be had a little earlier, and the two grapes can be grown in the same house. In the later house Gros Colmar or Gros Maroc which colors better, are the favorites. Lady Downes Seedling is a good keeper and of fine flavor. Alicante is a good set-

ter, makes a fine bunch, but the flavor is not so good, and the skin is likely to be tough. With the newer varieties I have had no experience; though Apley Towers and Diamond Jubilee are said to be acquisitions to the list of new grapes. I have mentioned only the most generally grown varieties, still there are others which have their merits. Barbarossa or Gros Guillaume makes a very heavy bunch, but of only medium flavor. Madresfield Court, an excellent flavored grape, is difficult to grow, it having a great tendency to crack. Foster's Seedling, an easier grape to grow than the Muscat, but not of so fine a flavor. The Muscat Hamburg is a fine grape, and there are many others, each having their own good points. In planting a grape-ery it is perhaps well to plant a vine of one or two of each of these varieties, then if they are successful and you want more, a second rod can be taken up, or vice-versa one cut out and a rod from its neighbor taken up.

(To be continued)

# JULIUS ROEHRS COMPANY

RUTHERFORD, N. J.

## We are Steadily Booking Orders for Christmas Novelties

If you intend ordering the choicest stock and have not yet done so, you must do so immediately. You will need as much as you did last year and more. Write us immediately for list on Christmas Specialties.

A FEW MORE TO OFFER OF THE NEW ROSE FOR EASTER  
"NEWPORT FAIRY"

You will need some.

DO IT NOW.

## WE ARE HEADQUARTERS FOR THE **RIGHT STOCK OF WHITE KILLARNEY**

There are other white sports of Killarney, but the stock which we offer — the WABAN variety — is very much superior to all others

### ***When You Buy From Us***

You get stock of the variety exhibited by us and the Waban Rose Conservatories this Fall, which was awarded the silver cup at the National Flower Show at Chicago, Silver Medal, Horticultural Society of New York, and Silver Medal, Massachusetts Horticultural Society, Boston. It undoubtedly is

### ***The Best White Rose Ever Introduced***

Our attention was called to this rose last winter, and recognizing its great value as soon as we saw it, we purchased half the stock. We are growing it in large quantities in our Scarborough greenhouses, and will be glad to have any one interested in it visit us and see it growing.

The large growers, instantly recognizing its value, have placed orders for large quantities, so that our advance orders are very large, and the demand promises to be very heavy, judging by the number of orders already booked; but we have enough stock either potted or rooted to fill advance orders, so that we can still promise early delivery and first-class stock on all orders received now.

### ***Order at Once to Ensure Early Delivery***

Orders will be filled in rotation as booked, delivery beginning March 1st, 1909.

**Strong Plants, 2 1-2 in. pots, own-root, \$30.00 per 100; 250 for \$70.00; 500 for \$125.00; 1000 for \$250.00**  
**Grafted Plants, \$5.00 per 100 additional**

FOR LIST OF SURPLUS BULBS, SEE ISSUE OF NOVEMBER 21st, PAGE 679

**F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK**

SAVE  
your weekly copies of this paper.  
DON'T  
throw them away.  
The contents are always of PERMA-  
NENT VALUE and you may need  
them for reference tomorrow, a year  
from tomorrow, or still later.

**CLEARY'S HORTICULTURAL CO.**  
Management AMBROSE T. CLEARY  
Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
of every description.  
Consignments Received. Surplus Stock Converted.  
**62 Vesey St., NEW YORK**



## Seed Trade

### IMPORTANT DECISION REGARDING A SEED-GROWING CONTRACT.

The District Court of Douglas County, Nebraska, has recently decided an important seed case. An action in replevin was brought by the J. C. Robinson Seed Company of Waterloo, Nebraska, against John Hamilton, J. E. Hively, Citizens' State Bank of Waterloo, Nebraska, and its cashier, H. P. Waldron. The defendant John Hamilton had grown a crop of Stowell's Evergreen sweet corn on land owned by Mrs. Mary T. Robinson and which she had leased to the J. C. Robinson Seed Company. Hamilton went on the farm under a contract with the Seed Company wherein he agreed to do all the work, harvest and deliver the crop to the Seed Company at Waterloo, and he was to receive as compensation for his services such sum as three-fifths of the marketable corn grown would bring at a stipulated price per hundred pounds. The contract also provided that the title to the corn should be at all times in the Seed Company. After the corn was shelled, Hamilton sold three-fifths of the same to the defendant Hively, and gave a chattel mortgage on the corn he sold to H. B. Waldron and the bank. The other two-fifths of the corn was delivered by Hamilton to the Seed Company. The three-fifths of the corn sold by Hamilton was taken possession of under the writ of replevin and at the trial the court held: That the agreement between Hamilton and the Seed Company constituted a cropper's contract; that the relation between the parties thereto was that of master and servant; that Hamilton had no right to sell the corn or mortgage the same, and that the purchaser and mortgagee got no title or lien on the corn. At the close of all the testimony for both sides, the court directed the jury to return a verdict in favor of the J. C. Robinson Seed Company. This case is vitally important to seed men of Nebraska, for there has been an impression, owing to some former decisions, that contracts like the one involved in this suit were not valid in that State. In this trial the court entirely repudiated such claim and held such contracts to be absolutely valid and enforceable.

#### NOTES.

Los Angeles, Calif.—Aggler & Musser Seed Co. succeed the Johnson & Musser Seed Co.

Green Bay, Wis.—It is reported that the Everett B. Clark Seed Co. will erect a seed warehouse in the spring.

Des Moines, Ia.—James G. Elder has returned to his former position of superintendent of the retail sales department with the Iowa Seed Co.

#### INCORPORATED.

Springfield, Mass.—E. M. Lyman & Son, A. E. Lyman, E. B. Crimmins; to cultivate and sell garden seeds; capital, \$200,000.

### APPRAISERS' DECISIONS.

Before Board 3, November 6, 1908.

No. 19937.—Evergreen Seedlings.—Protests 199954, etc., of P. Ouwkerk (New York). Opinion by Waite, G. A.

The following articles were held dutiable as evergreen seedlings under paragraph 252, tariff act of 1897, as claimed by the importer: *Aucuba japonica*, *rhododendron*, and box tree. Note G. A. 6169 (T. D. 26772).

No. 19940.—Nursery Stock—Boxwood.—Protest 201912 of American Express Company (Boston).

An article invoiced as *Buxus arborescens* and commonly known as boxwood, which was classified as nursery stock under paragraph 252, tariff act of 1897, was claimed to be dutiable under the provision in the same paragraph for evergreen seedlings.

Waite, General Appraiser: . . . That boxwood is an evergreen is conceded, but the protestants have not sustained their claim that these importations were seedlings. The Government has offered in evidence the testimony of the examiner of nursery stock at the port of New York, whose experience and acquaintance with such merchandise covers a period of forty years. He states that, although it is possible to raise from the seed such plants as imported, as a matter of fact it is not done; that they are started from cuttings, for the reason that too long a time is required to germinate from the seed.

In the light of such testimony and in the absence of any evidence sustaining the importers' claim, we overrule the protest.

No. 19947.—Flower Seeds—Seeds of Shrubs and Vines.—Protest 296313 of Henry & Lee (New York).

Merchandise classified as seeds not specially provided for under paragraph 254, tariff act of 1897, was claimed to be free of duty under paragraph 656 (flower seeds), or paragraph 548 (seeds which are drugs). Protest overruled.

Waite, General Appraiser: . . . No testimony was taken in the case and no samples produced. The appraiser's report shows the importation in question consists of seeds of *salisburia* (an ornamental tree), *wistaria* (a climbing shrub), *limonia* (shrub), *flex* (holly), and *guararia* (a tuberous rooted climbing plant). We do not think the seeds of a shrub or tree or a hardy vine, such as holly or wistaria, were intended to be included within the description of flower seeds in paragraph 656. In our opinion, the commodity is not assessable under that paragraph nor under paragraph 548, but is correctly classifiable as seeds not specially provided for and assessable as found by the collector at 30 per cent. ad valorem.

No. 19948.—Seedlings of Pine and Spruce—Evergreen Seedlings.—Protest 207142 of Chas. D. Stone & Co. (New York).

The protest related to seedlings of white pine and blue spruce, classified as evergreen seedlings under paragraph 252, tariff act of 1897. Assessment affirmed.

Waite, General Appraiser: . . . The importers claim that "both these varieties of trees shed their foliage in the winter time, and are therefore manifestly not evergreen," but should be dutiable as nursery or greenhouse stock at 25 per cent. ad valorem under the same paragraph.

The above-quoted statement of the protestants, upon which they base their claim, would seem to have been made in error, for the trees named are perhaps among the best known of the evergreens. They are found in the forests in the north of our country, and their characteristics are so well known that all authorities agree upon their habit of always retaining their leaves. We consider this to be matter of common knowledge, and the mere statement of the fact suffices.

### CATALOGUES RECEIVED.

Munson Nurseries, Denison, Tex.  
Tree Planters' Handbook.

Chicago Carnation Company, Joliet, Ill.—Catalogue of Carnations, standard varieties and novelties.

A. T. Boddington, New York City.

## Headquarters for Xmas Greens

Our stock is the choicest to be had.

Holly  
Holly Wreaths  
Laurel  
Lycodium  
Mistletoe

Write for our special circular on Xmas Greens

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

Illustrated Price List of Bulbs and Seeds for Autumn, 1908. The cover is adorned with a lovely design of purple crocuses, naturally treated, on a cream ground, by H. A. Bunyard, who has on several former occasions demonstrated rare artistic talent in the designing of catalogue covers.

R. Vincent, Jr., & Sons Co., White Marsh, Md.—Geraniums—1909. Like all the Messrs. Vincent's productions, this catalogue is a work of art. A frontispiece showing view in one of the trial houses is done in colors and there are many full-page half-tone illustrations of new varieties. Anyone interested in geraniums—and who is not—can find much to interest and instruct in this catalogue.

See List of New Offers in This Issue. Page 729.

# TOBACCO

STEMS—STRONG KIND

100 lb. bale \$1.25

## W. ELLIOTT & SONS

42 VESEY STREET, NEW YORK.

**WIZARD BRAND** PULVERIZED SHEEP MANURE  
PULVERIZED HOG MANURE  
PULVERIZED CATTLE MANURE  
SHREDDED CATTLE MANURE



Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.

Best and safest manure for florists' and greenhouse use.

Absolutely Pure  
No Waste  
No Danger

Write for literature and quantity prices.

THE PULVERIZED MANURE CO.

31 Exchange Ave., Union Stock Yards, Chicago

## SHEEP MANURE

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order

## ROBERT SIMPSON

CLIFTON, N. J.

See List of New Offers in This Issue. Page 729.

## THE CAULIFLOWER CROP.

An esteemed correspondent writes us as follows:—

In last week's HORTICULTURE I noticed some remarks regarding the low prices now being obtained for cauliflower and would suggest your calling your correspondent to time for misinforming your readers. Cauliflower is not low in price on account of a big crop as the area planted was not much larger than a year ago. The trouble with the price being obtained for cauliflower is that, owing to the drought, the plants stood still and when rain came they were forced into producing curds very early and practically brought the crop on all at one time instead of extending it over several weeks. If the crop had come on as it usually does there is no doubt whatever but what the growers would have realized just as satisfactory prices as they have heretofore. When I was down on Long Island I heard of a carload of cauliflower being sold at the rate of 25c. a barrel, so you see if the commission men or dealers can buy it for 25c. a barrel they can very easily afford to retail the heads at 5 and 10c. each.

Thomas J. Grey was elected president of the Board of Trade of the city of Chelsea, Mass., on November 21.

See List of New Offers in This Issue.  
Page 729.

# Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**  
6 & 7 South Market Street  
BOSTON, MASS.

See List of New Offers in This Issue.  
Page 729.

**A. MITTING**  
**Calla Lily Bulb Co.**  
Santa Cruz, Calif., U.S.A.

**SURPLUS CROP 1908**  
**Sweet Pea and Onion Seed**

Stocks choice and prices reasonable  
Our Contract List for 1909 Crop is now Ready.

Correspondence Solicited

**A. J. PIETERS SEED CO.,**  
Hollister, Cal.

**OUR SEEDS BULBS AND PLANTS**  
are noted all over the world. Catalogues Free.  
**KERSHAW, Grower, Keighley, England**  
EXPORT TRADE A SPECIALTY. ESTABLISHED 1880.

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

— ALSO —

**Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify**

**LEONARD SEED CO.**

Growers and Wholesalers of Superior Garden Seeds  
**FLOWER SEEDS—ONION SETS . . . GET OUR PRICES**

79 East Kinzie Street

143 West Randolph Street

**CHICAGO**

**SURPLUS**

*Thorburn's  
Bulbs*

Narcissus Paper White grandiflora  
White Roman Hyacinths, 12/15 c.  
Dutch Hyacinths, double  
Lilium Harrisii 5/7  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Longiflorum Multiflorum,  
6/8 and 7/9

FLORISTS AND DEALERS SEND FOR PRICES

Send For Our Trade List of Bulbs etc.

**J. M. THORBURN & CO.**

33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

MY OWN NEW CROP OF

**Salvia Splendens**

VARIETIES is now ready:

Nana Compacta ZURICH, finest early flowering  
pot Salvia in existence, selected seeds.  
Compacta Grandiflora FIREBALL, best of all  
for pots and groups, selected seeds.

Grandiflora Amellorata KING OF THE  
SCARLETS, unexcelled for late groups, with  
extra large deep scarlet spikes, selected seeds.

Each of above per Tr. Pkt., 50c. 6 Tr. Pkt.,  
\$2.50. Larger quantities on special quotation.

**O. V. ZANGEN,** Seedsman  
HOBOKEN, N. J.

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit

**Onion Seed**

We are extensive growers and dealers.

Write for prices on 1908 crop.

Are also contracting now for 1909.

**SCHILDER BROS., Chillicothe, O.**

**BRIDGEMAN'S SEED WAREHOUSE**

**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**STOCK SEED**

FOR WINTER BLOOMING

Our strain of Double Branching Stocks is ex-  
ceptionally true. About 904 Double Flowers.

In colors: 1/8 oz. .60 oz. ....\$4.00  
Pure White 1/8 " .75 " ..... 5.00

**H. E. FISKE SEED CO.**

Faneuil Hall Square, BOSTON, MASS.

**Winter-flowering  
SWEET PEA SEED**

All Colors Ask for List

**A. C. ZVOLANER**

ORIGINATOR.

BOUND BROOK, N. J.

**READY** For Prompt  
Shipment...

**FRENCH and DUTCH BULBS**

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**CAULIFLOWERS  
CABBAGE**

LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

WE STILL HAVE ON HAND A FEW CASES OF

**Lilium Longiflorum**

JAPAN CROWN

7-9 size, 70 per cent. Single Crown.

Prices on Application.

**THOMAS J. GREY CO.**  
32 So. Market St., BOSTON, MASS.

**QUALITY SEEDS  
BULBS  
PLANTS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
342 West 14th St., New York.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M.C. and J.E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

**232 Michigan Ave.  
CHICAGO**

AUDITORIUM ANNEX

Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory  
1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET  
Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

**GUDE'S**

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP,**  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## To Florists Everywhere

Orders for Cut Flowers and Floral Decorations  
to be delivered anywhere in the Greater New York,  
may be placed with us with the certainty that  
your customers will be satisfied.

Telegraph, telephone or mail such orders to us  
and be sure that they will be filled as promptly and  
as carefully as though you did it yourself.

One third discount will be allowed on all  
orders thus placed with us by Florists outside of  
the Greater New York.

## THE BLOSSOM

Bond and Livingston Sts.,  
BROOKLYN, N. Y.

**C. C. TREPEL, Manager**

## Of Interest to Retail Florists

PLANT AND FLOWER COMBINA-  
TIONS FOR TABLE AND  
MANTEL WORK.

While the commingling of growing  
plants and cut flowers in plateaus or

### STEAMER DEPARTURES

#### American.

New York, N. Y.-S'hampton...Dec. 5

St. Louis, N. Y.-S'hampton...Dec. 12

#### Atlantic Transport.

Mesaba, N. Y.-London...Dec. 5

Minnehaha, N. Y.-London...Dec. 12

#### Cunard.

Ivernia, Boston-Liverpool...Dec. 1

Campania, N. Y.-Liverpool...Dec. 2

Lucania, N. Y.-Liverpool...Dec. 9

#### French Line.

La Lorraine, N. Y.-Havre...Dec. 3

La Touraine, N. Y.-Havre...Dec. 10

#### HAMBURG AMERICAN.

Kaiserin, N. Y.-Hamburg...Dec. 12

Patricia, N. Y.-Hamburg...Dec. 19

#### Leyland.

Bohemian, Boston-Liverpool...Dec. 2

#### North German Lloyd.

Kronpr. Wilhelm, N. Y.-Br'n...Dec. 1

Prinz F. Wilhelm, N. Y.-Br'n...Dec. 12

#### White Star.

Adriatic, N. Y.-S'hampton...Dec. 2

Celtic, N. Y.-Liverpool...Dec. 3

Cymric, Boston-Liverpool...Dec. 5

Majestic, N. Y.-S'hampton...Dec. 9

Arabic, N. Y.-Liverpool...Dec. 10

baskets for table ornamentation is by  
no means new to the florists of today,  
it is pleasing to note the advances made  
in this line during the past few years.  
With the comparatively recent intro-  
duction of small plants suitable for  
such work, magnificent combinations  
have been made.

A dinner table basket recently ar-  
ranged in this style proved a decided  
success. Plants of adiantum formed  
the edge, while low-grown crotons con-  
stituted the body of the centerpiece.  
Crimson roses, generously distributed  
through the foliage, completed the de-  
sign. The tops of the roses were not  
more than ten inches above the surface  
of the table, thus avoiding any obstruc-  
tion to a full view across it. Baskets  
arranged in this manner may be kept  
fresh for many days after the flowers  
have faded.

A mantel decoration of mixed ferns,  
small *Parlatius Veitchii* and short-  
stemmed American Beauty roses the  
whole bordered with pendant sprays  
of *Asparagus Sprengeri*, proved an-  
other example of the possibilities of  
plant and flower combination.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.  
Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

NEW YORK

Tel. 2270, 38th St.

Our Motto—The Golden Rule

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

**F. H. HOUGHTON**

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

**EDWARD MACMULKIN**

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

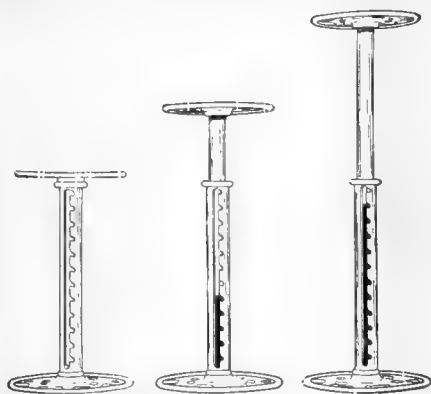
NEW ENGLAND POINTS

**THOS. F. GALVIN**

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.



# IT'S TIME

"To Make a Noise Like an Order,"

**IF YOU DESIRE OUR ADJUSTABLE PLANT STANDS**

for the coming Fall and Winter Horticultural Displays, as we are rapidly selling up our production until that time, and late comers will be disappointed.

**Prize winners this season for display and banking of plants will be those equipped with The Moore-Livingston Adjustable Plant Stands.**

With three sizes of stands all heights can be obtained from 6 to 48 inches.

If your seedsman or supply house cannot furnish them, write, phone, wire or cable us and we are "Johnnies on the spot" for a prompt reply as to where they can be obtained.

**The Moore-Livingston Co**

MAKERS AND  
PATENTEES

**Lansdowne, Pa.**

**PHILADELPHIA OFFICE: Central Trust Building, 4th and Market Sts., Philadelphia**

## BUSINESS CHANGES.

**McConnellsville, O.**—W. C. Scovill has purchased the greenhouses of A. J. Hart.

**Loveland, Colo.**—M. R. Kilburn has disposed of his interest in the Colorado Nursery Co.

**Burlington, Vt.**—Walter E. Peters has purchased the business of A. J. Taylor, florist and seedsman, at 184 Main St.

**Chicago, Ill.**—Gust Canger, who has taken a position with A. H. Abraham. His greenhouse at Middlebury will be continued for the present.

**Chicago, Ill.**—J. Pehrson & Morine the greenhouses of the Carlisle Nursery Co., near Lindner Park and will grow flowers for the market.

**Grand Rapids, Mich.**—Charles Chadwick has moved to 32 South Division St. When the alterations are completed he will have an up-to-date flower store.

## PERSONAL.

Visitors in Boston: August Jurgens, Chicago, Ill.; Wm. Jurgens, Newport, R. I.

Miss Gentlemen is in charge of the new store of Smith & Fetters, at Detroit, Mich.

F. W. Ball, of Ball & Betz, Cincinnati, O., has been quite ill for the past two weeks at his father's home.

M. Trevor Kennedy, who has been with Leikens, New York, for the past

## NEW RETAIL FLOWER STORES.

**Stamford, Conn.**—J. P. Sorenson.

**Waterloo, Ia.**—Charles Sherwood, 317 E. 4th St.

**Hagerstown, Md.**—Henry Holzapfel, Jr., W. Washington St.

**Chicago, Ill.**—Gust Canger, who has been doing business at 40 Randolph street, is opening a new store at 90 Randolph. He will conduct both stores.

**Chicago, Ill.**—J. Pehrson & Morine are opening up a new flower store at 1212 Bryn Mawr avenue, Edgewater. J. Pehrson has a store also on the South Side. Mr. Morine, who has been with the Geo. Wittbold Company eight years and is well known to the trade, will have charge of the new store.

## TIE UP

Your Rose and Carnation Plants with  
**GREEN SILKALINE**

Made Especially for that Purpose.

**JOHN C. MEYER & CO., Boston, Mass.**

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.



**JACOB SCHULZ,** 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address  
Write, Telegraph or Telephone.  
Cumberland and Home Phones 223 and 984

## WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall  
Schools. **TAILBY, Wellesley, Mass.**  
Tel. Wellesley 44-1 and 2. Night 44-3.



Florists' design sent by the Florists of  
Mt. Clemens, Mich. to the funeral  
of the daughter of that fel-  
low florist, P. Carey.

year, has taken a position with Foster  
& Foster, Miami, Fla., for the winter.

Isabel Stang, one of the chorus girls  
in "Little Nemo," got married at mid-  
night in the Little Church Around the  
Corner the other night. The bride-  
groom is W. S. Lee, a florist, of 1005  
fourth street and Sixth avenue. The  
witnesses were Charles Pagan and J. H.  
Duer. — New York Times, Nov.  
R. I.: Hon. Gifford Pinchot, Washing-  
ton D. C.; Prof. John Craig, Ithaca,  
N. Y.

## NOTICE

We desire to notify the trade that we  
are the owners of United States patent No.  
489,218 for Floral Figure which claims:

**R**

"A florist's letter or figure  
stamped from a sheet of paste-  
board or other suitable material,  
having an adhesive coating ap-  
plied thereto and an outer cov-  
ering of granules of sawdust  
appropriately colored to repre-  
sent the petals of the Hel-  
ichrysum, arenarium substan-  
tially as described."

Letters which are a direct  
infringement of this pat-  
ent are being put on the market and we  
intend to hold all who make or sell the  
infringing letters to strict account.

The lawful patented goods are in every  
respect much superior to the infringement.

**BOSTON FLORIST LETTER CO.**  
66 Pearl St. N. F. McCarthy, Mgr. Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting  
especially adapted for florists use.

Books **Balanced and Adjusted**

Merchants Bank Building

28 STATE ST., BOSTON  
Telephone, Main 58.

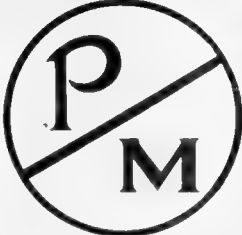
2 Year Field Grown

# RICHMONDS

\$12.00 per 100

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.  
Open from 7 a.m. to 8 p.m.



**Mrs. JARDINE**

Choice blooms of this charming new rose.

**\$12, \$10 and \$8**  
Per 100

QUALITY

**S. S. PENNOCK - MEEHAN CO.**  
1608-1620 Ludlow St., Philadelphia  
"The" Wholesale Florists of Philadelphia

**VIOLETS AND VALLEY**  
Best Quality on the Market.

**W. E. McKISSICK & BROS.**  
WHOLESALE FLORISTS  
1819-1621 RANSTEAD ST.  
PHILADELPHIA

**CUT FLOWER BOXES**  
EDWARDS FOLDING BOX CO  
MANUFACTURERS  
PHILADELPHIA, PA.

**CHAS. W. McKELLAR**  
51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

**PETER REINBERG**  
WHOLESALE  
**CUT FLOWERS**  
51 Wabash Av., Chicago, Ill.

**DAILY CONSIGNMENTS**  
From 40 to 60 Growers  
We can care for your cutflower wants to advantage.

**E. F. WINTERSON CO.**  
41-47-49 WABASH AVE., CHICAGO

**POEHLMANN BROS. CO.**  
33-35-37 Randolph St., - CHICAGO

**CUT FLOWERS**  
Greenhouses, - Morton Grove, Ill.

**Rice Brothers**  
115 N. 6th Street, MINNEAPOLIS, MINN.  
WHOLESALE FLORISTS and SUPPLIES  
CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILLO - SMILAX - FOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

**AMERICAN BEAUTY** and all other ROSES  
**LILY OF THE VALLEY, CARNATIONS**  
**WELCH BROS.,** 226 Devonshire St., Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Nov. 23		Nov. 23		Nov. 23		Nov. 25	
<b>ROSES</b>								
Am. Beauty, Fancy and Special...	30.00	to 40.00	30.00	to 40.00	35.00	to 40.00	25.00	to 35.00
"    Extra.....	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00	15.00	to 20.00
"    No. 1.....	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00	6.00	to 10.00
"    Lower grades.....	10.00	to .....	10.00	to .....	8.00	to 12.00	1.00	to 4.00
Bride, 'Maid, Fancy & Special.....	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	4.00	to 8.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00	.50	to 3.00
Killarney, Fan, & Sp.....	6.00	to 10.00	6.00	to 10.00	6.00	to 8.00	4.00	to 8.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	3.00	to 4.00	1.00	to 3.00
Richmond, Fancy & Special.....	6.00	to 10.00	6.00	to 10.00	8.00	to 12.00	4.00	to 12.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00	1.00	to 2.00
Chatenay.....	4.00	to 8.00	4.00	to 8.00	3.00	to 6.00	1.00	to 6.00
Golden Gate Ivory, etc.....	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00	1.00	to 6.00
My Maryland.....	3.00	to 8.00	3.00	to 8.00	3.00	to 8.00	6.00	to 15.00
Queen Beatrice.....	3.00	to 8.00	3.00	to 8.00	3.00	to 8.00	2.00	to 6.00
Mrs. Mar. Field.....	4.00	to 12.00	4.00	to 12.00	.....	to .....	.....	to .....
<b>CARNATIONS</b>								
Fancy and Novelties.....	4.00	to 5.00	4.00	to 5.00	3.50	to 4.00	1.50	to 3.00
Ordinary.....	2.00	to 4.00	2.00	to 4.00	2.00	to 2.50	1.00	to 1.50
<b>MISCELLANEOUS</b>								
Chrysanthemums, Fancy.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	12.00	to 15.00
"    Ordinary.....	6.00	to 10.00	6.00	to 10.00	10.00	to 12.50	4.00	to 10.00
Callies.....	30.00	to 60.00	50.00	to 60.00	.....	to 60.00	30.00	to 50.00
Lilies.....	12.00	to 15.00	12.00	to 15.00	.....	to 12.50	6.00	to 8.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 3.00
Narcis., Paper White.....	2.00	to .....	2.00	to .....	.....	to 3.00	2.00	to 3.00
Roman Hya.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	.....	to .....
Sweet Peas.....	.....	to 1.00	.....	to 1.00	.75	to 1.00	.75	to 1.00
Gardenias.....	40.00	to 50.00	40.00	to 50.00	.....	to 50.00	.....	to 50.00
Violets.....	.....	to 1.00	.....	to 1.00	1.00	to 1.50	.75	to 1.00
Adiantum.....	.75	to 1.00	.75	to 1.00	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	12.00	to 15.00	.....	to 15.00	10.00	to 12.50
Asparagus Plumosus, strings.....	40.00	to 50.00	40.00	to 50.00	25.00	to 50.00	25.00	to 50.00
"    " & Spreu. (100 bchs.).....	15.00	to 20.00	15.00	to 20.00	35.00	to 50.00	15.00	to 25.00

**J.A. BUDLONG**  
37-39 Randolph Street, CHICAGO.

Roses and Carnations  
A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

**HENRY M. ROBINSON & CO.**  
15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS  
Hardy Cut Everygreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED

**Big Christmas Trade**  
YOU CAN'T ESCAPE IT IF YOU ADVERTISE FOR IT IN HORTICULTURE'S  
**BIG ANNIVERSARY NUMBER**  
**DECEMBER 12**



## Flower Market Reports.

Thanksgiving brings a fair demand; better than last year, we are glad to report. The weather, however, is against any sensational revival and the market is overloaded with a lot of soft material accumulated by frugal-minded growers or resultant from the unseasonable warmth of the past few days. Even American Beauty roses are lagging, and it is not certain that they will come up to previous records. On the other hand, Richmond has doubled in value and the newcomer, My Maryland, stands pat at an equal figure. It is not yet in evidence whether the latter is due to the fact that it is a novelty or because it has developed staying powers of a most unusual character. We hope it will prove to be the latter. Cattleyas are scarce and violets are not over-plenty, and in both instances schedule prices prevail. As to chrysanthemums it is plain that the end is in sight. The market is badly handicapped by the presence of quantities of chrysanthemums, the wind-up of the season's cut which growers have practically mowed down hoping to do better for Thanksgiving than by cutting the blooms successively. The result is a foregone conclusion. Eaton and Bonaffon are the best sellers as staple stock. Carnations are overstocked in the white varieties, in medium demand in the intermediate shades and find a lively call in the high colors. Stevia, William Scott's protege, is in and sells readily at usual price of \$1.00 per hundred. There is a fair demand, but no great strength, on other items in the regular list. Callas, perhaps, show as much life as any other specialty, but in order to bring the regulation price of \$1.50 per dozen they must be unspotted and pure as the driven snow.

**CHICAGO** Summer temperature and air filled with fog is hardly the best kind of preparation for the Thanksgiving flower supply, but these are the conditions prevailing up to the time of writing, and much of the stock coming in has been soft and unsatisfactory in quality while also too abundant. Growers who have been storing away roses, carnations and chrysanthemums in anticipation of better returns for same as a holiday supply will find little in existing conditions and outlook to encourage them in their course. On the other hand, there is no doubt that first-class fresh material will find a ready and profitable market. In our next report we shall have the story in full.

Everything looks bright and encouraging. Society is waking up, and orders for larger receptions and balls are again in order. Chrysanthemums are very good, but Thanksgiving will see about the end of them. Other crops are improving, violets being the only scarce article.

**INDIANAPOLIS** The past week has been very contradictory, some reporting trade good, others saying that it couldn't be worse, but to a great extent it all depends on locality. Notwithstanding the cool weather, stock is coming into the market quite lively. Chrysanthemums, roses and carnations

## WHOLESALE FLOWER MARKETS.—TO DEALER ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 23		Nov. 21		Nov. 23		Nov. 23	
ROSES								
Am. Beauty, Fan. and Sp.....	35.00	to 40.00	25.00	to 35.00	35.00	to 40.00	35.00	to 40.00
"    Extra.....	15.00	to 20.00	12.50	to 20.00	20.00	to 25.00	25.00	to 30.00
"    No. 1.....	15.00	to 20.00	10.00	to 12.50	15.00	to 20.00	15.00	to 20.00
"    Lower grades.....	6.00	to 10.00	5.00	to 10.00	6.00	to 8.00	6.00	to 10.00
Bride, "Maid, F. & S.....	6.00	to 7.00	6.00	to 8.00	8.00	to 10.00	6.00	to 7.00
"    Low. gr.....	6.00	to 4.00	4.00	to 7.00	3.00	to 6.00	4.00	to 4.00
Killarney, Fan. & Sp.....	0	to 1.00	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00
Richmond, Fancy & Special.....	8.00	to 10.00	6.00	to 8.00	10.00	to 15.00	8.00	to 10.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Chatenay.....	4.00	to 8.00	2.00	to 8.00	8.00	to 10.00	4.00	to 8.00
Golden Gate, Ivory, etc.....	4.00	to 6.00	3.00	to 8.00	5.00	to 8.00	4.00	to 6.00
My Maryland.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Queen Beatrice.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Mrs. Mar. Field.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
CARNATIONS								
Fancy and Novelties.....	4.00	to 5.00	2.50	to 3.00	3.00	to 4.00	4.00	to 5.00
Ordinary.....	2.00	to 3.00	1.00	to 2.00	1.00	to 3.00	2.00	to 3.00
MISCELLANEOUS								
Chrysanthemums, Fancy.....	20.00	to 35.00	15.00	to 35.00	15.00	to 25.00	20.00	to 35.00
"    Ordinary.....	5.00	to 12.00	12.50	to 20.00	6.00	to 10.00	6.00	to 12.00
Cattleyas.....	60.00	to 75.00	35.00	to 35.00	6.00	to 75.00	60.00	to 75.00
Lilies.....	0.00	to 2.50	15.00	to 18.00	10.00	to 15.00	1.00	to 12.50
Lily of the Valley.....	0.00	to 4.00	3.00	to 4.00	3.00	to 4.00	0.00	to 4.00
Narcissus, Paper White.....	2.00	to 3.00	4.00	to 4.00	2.50	to 4.00	2.00	to 3.00
Roman Hyacinth.....	2.00	to 4.00	3.00	to 4.00	5.00	to 4.00	2.00	to 4.00
Sweet Peas.....	5.00	to 1.00	5.00	to 1.00	.75	to 1.00	2.00	to 1.00
Gardenias.....	0.00	to 50.00	0.00	to 0.00	0.00	to 5.00	0.00	to 5.00
Violets.....	75	to 1.25	50	to 75	.75	to 1.25	.75	to 1.25
Adiantum.....	0.00	to 1.25	0.00	to 1.25	.50	to 1.50	0.00	to 1.25
Smilax.....	10.00	to 15.00	12.50	to 15.00	12.00	to 15.00	10.00	to 15.00
Asparagus Plumosus, strings.....	30.00	to 50.00	0.00	to 35.00	50.00	to 60.00	30.00	to 50.00
"    "    & Spreng. (100 bchs.).....	40.00	to 50.00	35.00	to 50.00	25.00	to 50.00	30.00	to 50.00

are very plentiful. Some good longiflorum lilies are in, but move slowly. Violets are in fair quality and quantity, and sell well. Some Paper Whites are seen, but bulb stock in general is being held back as much as possible until chrysanthemums are cleared off. Lily of the valley, violets, peas and orchids are much used for corsages at the present time. Cyclamens, Lorraine begonias, pot chrysanthemums and primroses are the main factors in the plant line, the prices of which are a little lower than in former seasons. With a continuance of the present cool weather the market will show considerable improvement before long. Adiantum, smilax and plumosus are having a good run.

**PHILADELPHIA** A distinctly better tone was felt here last week along all lines. There was no great jump in prices (if we except violets, which were scarce and high-priced) but the general clean-up was very gratifying and emphasizes the healthy condition of the market. Many of the better sorts of chrysanthemums are now entirely cut out and this shortening up has had a good effect on other stocks, which are now in much better demand. Roses are about as plentiful as anything. American Beauties were never better at this season. My Maryland is scarce, as the growers are now conserving their best stock for propagating purposes. Carnations are much better as to quality, and with shortening supplies of poor stock prices have been marked up thirty per cent. Lily of the valley is bringing regulation rates. The demand for orchids is now closely taxing available supplies. Roman hyacinths, paper whites, bouvardia, mignonette and sweet peas are among

the minor items in reasonable supply and healthy demand.

## NEWS NOTES.

**Virden, Ill.**—J. W. Garner has purchased three greenhouses and will add them to his present plant.

**Rittersville, Pa.**—John F. Horn & Bro. have installed a second large boiler in their plant, the additions made to their greenhouses this summer making it necessary.

**Hemet, Calif.**—Charles Howard, who last spring purchased five acres of land near Park Hill, has planted it to roses and will carry on a wholesale business. A large propagating house has been erected and material for a greenhouse is on the ground.

**Gretna, La.**—B. M. Wichers has brought suit against the New Orleans Acid and Fertilizer Co. for damages to the amount of \$15,615.50, alleging that by reason of the noxious and disagreeable odors emanating from the plant of the defendants his business has been ruined, and that valuable plants have been destroyed.

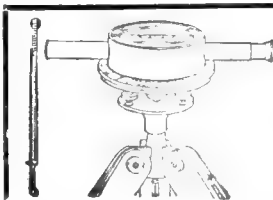
## DETROIT PERSONALS.

Jas. Taylor is recovering from a serious cold contracted about two weeks ago.

C. H. Maynard, who has been ill and confined to his bed for a week, is out and around again.

Trade papers will soon announce a new steam trap patented by H. Pierce and highly esteemed by local florists.

The genial Walter Taepke will soon have complete use of his right hand again, on which he had suffered a case of blood poisoning.



## EVERYBODY KNOWS

Gardening cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are conceded by all who know to be the only Levels on the market which meet all the required ends, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make. Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue., ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street, NEW YORK

**FINE ROSES FANCY CARNATIONS**

A full line of ALL CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT,**

Wholesale Commission Florist,

Choice Cut Flowers,

57 West 28th St., :: NEW YORK.

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**

All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.

55 West 28th Street, New York.

Telephones 4626-4627 Madison Square

**Edward C. Horan****Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**FRANK MILLANG****Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Wholesale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOORD**

43 W. 28th Street, NEW YORK

Telephone, 3393 Madison Sq.

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash,**

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756  
Madison Square.

New York.

**MILLANG BROS.**

WHOLESALE COMMISSION FLORISTS

41 West 28th Street

Telephones 3860  
3861 Madison

NEW YORK

**SAMUEL A. WOODROW****WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

**JOHN I. RAYNOR****Wholesale Commission Florist** SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower stock for all purposes. Comprises every variety grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 W. 28 St., New York City

**Walter F. Sheridan**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY**THE HIGHEST  
GRADE OFALWAYS  
ON HAND

CARNATIONS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, 739 Wad. Sq. 42 W. 28th St., New York

**PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.****CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	List Half of Week ending Nov. 21 1908		First Half of Week beginning Nov. 23 1908	
American Beauty, Fancy and Special	20.00	to 30.00	20.00	to 30.00
" " Extra	12.00	to 15.00	12.00	to 15.00
" " No. 1	8.00	to 10.00	8.00	to 10.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Bride, 'Field, Fancy and Special	4.00	to 6.00	4.00	to 6.00
" " Lower Grades	1.00	to 2.00	1.00	to 2.00
Killarney, Fancy and Special	5.00	to 8.00	5.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Richmond, Fancy and Special	5.00	to 8.00	5.00	to 8.00
" " Lower Grades	1.00	to 3.00	1.00	to 3.00
Chatenay	1.00	to 8.00	1.00	to 8.00
Fly Maryland	1.00	to 8.00	1.00	to 8.00
Golden Gate, Ivory, etc.	1.00	to 6.00	1.00	to 6.00

**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET**

PHONES. 1664--1665 MADISON SQUARE

**ENOUGH SAID****TRAENDLY & SCHENCK****Wholesale Florists****Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

**44 West 28th St., New York City.****GROWERS' CUT FLOWER CO.**CUT FLOWERS  
AT  
WHOLESALE**VIOLETS, CARNATIONS, ROSES  
ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments to Order, any Distance

39 West 28th Street,

Telephone 6337 Madison Square  
J. J. COAN, Manager**NEW YORK**



# HARDY CUT FERNs

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**WHOLESALE FLORISTS**  
54 West 28th St.  
NEW YORK  
Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

**RECEIVERS & SHIPPERS OF CUT FLOWERS.**  
CONSIGNMENTS SOLICITED.

**JOHN YOUNG**  
**WHOLESALE FLORIST**

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**Greater New York Florists' Association, Inc.**

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**REED & KELLER**  
122 West 25th St., New York

**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Glassware Decorative Greens and Florists' Requisites

### LOCAL FLOWER SHOWS.

**Greensboro, N. C.**—The annual chrysanthemum show opened Nov. 12 with a splendid array of plants and cut blooms.

**Riverhead, N. Y.**—Eight large houses containing 16,000 blooms is the treat that is offered chrysanthemum admirers by Arthur Lee.

**Beaver, Pa.**—Fitzgerald's greenhouses were visited by admiring throngs Nov. 14 and his big crop of chrysanthemums was highly praised.

**Greensburg, Pa.**—Joseph Thomas' greenhouses were open to the public from Nov. 7 to 15, and hundreds of visitors enjoyed his rare orchids, chrysanthemums, etc.

**Buffalo, N. Y.**—S. A. Anderson's chrysanthemum show Nov. 12-14 attracted a large number of visitors to his store. A Japanese maid filling a vase with the huge blossoms was the window picture.

**N. Augusta, S. C.**—The Boatwright

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of **EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**E. A. BEAVEN**

**Southern Wild Smilax,  
Log Mosses,**

Natural and Perpetuated—at Wholesale

**EVERGREEN, ALABAMA.**

**HENSHAW & FENRICH**

**WHOLESALE FLORISTS**

44 West 28th St., N. Y.

Phones: 325 and 5583 Madison Sq

Night and Sunday Phone 5582 Madison Sq.

Our Specialty is Everything.

Consignments of the best stock solicited.  
The square deal guaranteed to all who trade here.



**Wired Toothpicks**

Manufactured by

**W. J. COWEE, BERLIN, N. Y.**

10,000....\$1.75; 50,000....\$7.50. Sample free.  
For sale by dealers

### NEW YORK QUOTATIONS PER 100. To Dealers Only

CARNATIONS AND MISCELLANEOUS	Last Half of Week ending Nov. 21 1908		First Half of Week beginning Nov. 23 1908	
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.00	to 3.00
"    Ordinary.....	.75	to 1.00	.75	to 1.00
Chrysanthemums, Fancy.....	12.00	to 25.00	12.00	to 25.00
"    Ordinary.....	4.00	to 8.00	4.00	to 8.00
Cattleyas.....	40.00	to 50.00	40.00	to 50.00
Lilies.....	6.00	to 8.10	6.00	to 8.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narcis., Paper White.....	2.00	to 3.00	2.00	to 3.00
Roman Hyacinth.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	.75	to 1.00	.75	to 1.00
Gardenias.....	20.00	to 35.00	20.00	to 35.00
Violets.....	.75	to 1.00	.75	to 1.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings.....	15.00	to 35.00	15.00	to 35.00
"    "    & Spreng. (too bech.).....	15.00	to 25.00	15.00	to 25.00

Floral Co. won thirteen blue ribbons, and several second prizes on their display of chrysanthemums, roses and ferns in the various classes, at the Georgia-Carolina fair.

**THE KERVAN CO.**

Wholesale Dealers and Shippers of

**Decorative Evergreens**

Ferns, Galax, Laurel, Fresh Cycas, Boxwood, Sphagnum and all Christmas Greens

Send to us for Quotations before Buying

113 West 28 Street, NEW YORK CITY

**MISTLETOE**

Oklahoma Mistletoe is the Finest in the World

Finely Berried. 40 lbs. (net) to the Barrel.  
Choice Stock..... \$3.75, F. O. B.  
Fancy Stock..... 4.50, F. O. B.

Fancy Stock is Extra Selected as to  
COLOR AND BERRIES.  
Correspondence Solicited.

Enterprise Seed Co., Oklahoma City, Okla.

### NEW YORK FLOWER MARKET

A rapid reduction of the incoming flood of chrysanthemums as well as unmistakable evidence of infirmity in stock received warns us that the present week will in all probability dethrone the Queen of Autumn and leave the field open for the "other fellow." In the meantime, roses have been gaining in quality,—or, at least, were until the coming of the soft, unseasonable weather prevailing at present. The effect of the muggy temperature of the first half of Thanksgiving week is enervating upon all kinds of flowers, dispiriting to the florist and, as to turkeys, "Ain't it awful, Austin?" All good material ought to bring quoted values on Wednesday and Thursday at least, but there is a cumbersome surplus of low grade stock which, as usual, is likely to get in the way, and Thanksgiving facts will not be known until it is all over.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegas. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
Aracaria Excelsa.  
For page see List of Advertisers.

## ASPARAGUS

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

## AUCTION SALES

Oleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

## AUCUBAS

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.  
Bamboo Sticks, Colored Green.  
For page see List of Advertisers.

## BAY TREES.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.  
For page see List of Advertisers.  
Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-51 N. Market St., Boston.  
For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.  
For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Lilium Longilorum, Japan Grown.  
For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.  
Calla Bulbs.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.  
For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Lilies, Freesias, Hyacinths, Narcissus, Tulips.

For page see List of Advertisers.

Wm. Elliott & Sons, 42 Vesey St., New York.

Hyacinths, Tulips, Narcissus.

Dingee-Conard Co., West Grove, Pa.  
Narcissus Paper White Grandiflora.  
For page see List of Advertisers.

FOR SALE. 600 Finest Mixed Early Tulips, 75 Narcissus Paper White, Grandiflora Precocious, and 50 each three named Jonquills, \$3.50. Cash please. L. Merton Gage, Orange, Mass.

## CALLAS

Edmund Reardon, Cambridge, Mass.  
For page see List of Advertisers.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
Carnation, Pink Delight.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
Andrew Carnegie and Harlowarden.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.  
For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.  
For page see List of Advertisers.

Charles Knopf Floral Co., Richmond, Ind.  
New Carnations.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
Chrysanthemum Novelties.  
For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

Chrysanthemum Golden Glow from 2 1/4 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucy Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Peirce Bros., Waltham, Mass.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

## COLD STORAGE VALLEY

H. F. Michell Co., 1018 Market St., Phila.  
For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.  
For page see List of Advertisers.  
Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.  
J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.  
Peacock Dahlia Farms, Williamstown Junction, N. J.  
Dahlia Miss Virginia Maule.  
For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.  
Palms and Ferns.  
For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

## EVERGREENS

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.  
American Nursery Co., 150 Broadway, New York, N. Y.

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

## FERNS

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.  
H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.  
John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

# For List of Advertisers See Page 729

**FERNS — Continued**

Frank Oechslein, 2570-2606 W. Adams St., Chicago.

Ferns for Dishes.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Philadelphia.

New Crested Scottil. N. Scholzei.

For page see List of Advertisers.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

For page see List of Advertisers.

Robert Simpson, Clifton, N. J.

Sheep Manure.

For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's, 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.

For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,

Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

F. H. Houghton, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

Tailby, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,

Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,

St. Louis, Mo.

For page see List of Advertisers.

E. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

David Clarke's Sons, 2139-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

M. Bowe, 1204 Broadway, New York.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

A. Schulthels, College Point, N. Y.

For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,

Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.

For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Whilldin Pottery Co., Philadelphia.

Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,

Red pots, seed pans, etc.

Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St., New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 West 28th St., N. Y.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston.

For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh, Md.

New and Standard Varieties.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

**GLADIOLI**

J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,

Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING DEVICES**

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

A. Klokner, Wauwatosa, Wis.

Peerless Glass Repair Clamp.

GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda, New York.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York.

For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sts., Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sts., Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York.

For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

For page see List of Advertisers.

**HARDY FERNS, MOSS AND GREENS**

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St., New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.

W. Z. Purnell, Snow Hill, Md.

The Kervan Co., 113 W. 28th St., N. Y.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

E. A. Beaven, Evergreen, Ala.

For page see List of Advertisers.

W. M. Woodruff & Son., Lowgap, N. C.

**HEATING APPARATUS**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.

For page see List of Advertisers.

Pierson U Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.

For page see List of Advertisers.

Thos. A. McBeth, Springfield, O.  
Hydrangea Arborescens Grandiflora.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.  
P. R. Palethorpe Co.,  
Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St.,  
New York.

Killdead Tobacco Dust.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag. \$3.00 per 100 lbs. The H. A. Stouthoff Co., Mount Vernon, N. Y., Makers and sellers.

FOR SALE—Tobacco dust, 140 pounds in sacks, \$3.00, in case lots, about 350 pounds, 2c. per pound. Tobacco stems, in bales, \$2.00; about 400 pounds. Cash with order. S. R. Levy, Binghamton, N. Y.

**IRIS**

F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.

For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

A. Leuthy & Co., Rosindale, Mass.  
For page see List of Advertisers.

Jos. Hancock Co., Wyncote, Pa.  
Single and Made-Up Specimens.

For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Bostrom-Brady Mfg. Co., 139 Madison Ave.,  
Atlanta, Ga.

For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Stormgade,  
Copenhagen, Denmark.

For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in.  
pots, \$2.00 per 100. E. O. Perry, Berlin,  
Mass.

**MISTLETOE**

Empire Seed Co., P. O. Box 100, City, Okla.  
For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhonau, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

P. Ouwkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers.

Carlman Ribsam, Trenton, N. J.  
California Privet, Shrubs, Roses, Vinca Variegata.

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

J. H. Troy, 24 E. 34th St., New York.  
Linden Trees—Wanted.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New  
York, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$5.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.  
ELLWANGER & BARRY, Rochester, N. Y.

**ORANGE TREES**

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists.

For page see List of Advertisers.

Carrillo & Baldwin, Syracuse, N. Y.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.

For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries,  
Rosindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Hancock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

Pansies, Daisies, Forget-me-nots, strong plants of the best quality, mixed or in separate colors, \$2.50 per 1000. Gustave Freytag, Florist, West Orange, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAS**

Leonard Seed Co., Chicago, Ill.  
Alaska and Horsford Pea Deliveries.

**PEAT**

Wm. Mathews, Utica, N. Y.  
Orchid Peat.

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

**PEONIES**

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**PLANT TUBS**

Henry A. Dreer, 714 Chestnut St., Phila.  
For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS (Artificial)**

Pittsburgh Cut Flower Co., Ltd.,  
222 Oliver Ave., Pittsburgh, Pa.  
For page see List of Advertisers.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Coney Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st  
St., Chicago.

For page see List of Advertisers.

**For List of Advertisers See Page 729**

**RETAIL FLORISTS — Continued**

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Frank H. Houghton, 396 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

Taliby, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

M. Bowe, 1294 Broadway, New York.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

**ROSES**

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

Rose Newport Fairy.

For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass., and 3A Somerset St., Boston.

New Forcing Rose White Killarney.

For page see List of Advertisers.

The F. R. Pierson Co.,

White Killarney.

Tarrytown-on-Hudson, N. Y.

Low-budded roses, No. 1, \$95.00; No. 11-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Carlman Ribsam, Trenton, N. J.

Roses, strong, own root, 4 inch Chateauf, Killarney, Richmond and Mald. \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

Hand Book of Cultural Notes on Roses Under Glass, by E. P. Brigham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.

For page see List of Advertisers.

**SEED GROWERS**

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

For page see List of Advertisers.

Hjalmar Hartmann & Co.,

Cauliflower and Cabbage Seed.

12 Stormgade, Copenhagen, Denmark.

For page see List of Advertisers.

**SEEDS**

1. J. Gray Co., 32 So. Market St., Boston.

For page see List of Advertisers.

Joseph Breck & Sons,

51 and 52 N. Market St., Boston, Mass.

For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.

For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.

For page see List of Advertisers.

H. F. Michell Co., 1017 Market St., Phila.

For page see List of Advertisers.

Hjalmar Hartmann & Co.,

12 Stormgade, Copenhagen, Denmark.

Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.

For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.

Mignonette Seed.

For page see List of Advertisers.

H. E. Flske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

O. V. Zangen, Hoboken, N. J.

Hardy Garden Carnation Seed.

For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.

For page see List of Advertisers.

Schilder Bros., Chillicothe, O.

Onion Seed.

For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

Genuine Comet Tomato seed, selected. \$1.00 per oz. John A. Burns, Frankford Ave., Holmesburg, Philadelphia, Pa.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.

For page see List of Advertisers.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.

Winter Flowering.

For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.

For page see List of Advertisers.

**VEGETABLE SEED**

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Poley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.

20th Century Ventilating Arm.

For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

**VINCAS**

Vincas, field grown row in cold house, \$3.00 per 100. J. H. Dann & Son, Westfield, N. Y.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.

For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.

For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 228 Devonshire St., Boston.

For page see List of Advertisers.

Taliby, Wellesley, Mass.

For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.

For page see List of Advertisers.

**Cromwell, Conn.**

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

**Minneapolis**

Bice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS—

Continued

#### New York

- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.
- George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.
- Frank Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- B. S. Slinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.
- Henshaw & Forrih, 44 W. 28th St., New York.  
For page see List of Advertisers.

#### Philadelphia

- W. E. M. Kissick & Bros., 1619-1621 Ransford St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Nissen Co., 1200 Al. St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Petrick & Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

#### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 11 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax, Big Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

#### AZALEAS, RHODODENDRONS, ROSES.

- Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

#### CHRISTMAS NOVELTIES.

- Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers.

#### CHRYSANTHEMUMS.

- William Swayne, Kennett Square, Pa.  
For page see List of Advertisers.

#### FRENCH RED IMMORTELLES.

- M. Rice & Co., 1220 Race St., Philadelphia.  
For page see List of Advertisers.

#### HORTICULTURAL EXPORTERS.

- H. Cannell & Sons, Swanley, Eng.  
For page see List of Advertisers.

#### OPPORTUNITY FOR INVESTMENT.

- Miller Floral Co., East Brookfield, Mass.  
For page see List of Advertisers.

#### RETAIL FLORIST.

- The Blossom (C. C. Trepel, Mgr.), Bond and Livingston Sts., Brooklyn, N. Y.  
For page see List of Advertisers.

#### ROOTED CUTTINGS, YOUNG ROSE PLANTS.

- Benjamin Dorrance, Dorrance, Pa.  
For page see List of Advertisers.

#### SEEDS, BULBS, PLANTS.

- Kershaw, Keighley, Eng.  
For page see List of Advertisers.

#### SWEET PEA AND ONION SEED.

- A. J. Pieters Seed Co., Hollister, Calif.  
For page see List of Advertisers.

#### XMAS. GREENS.

- H. F. Michell Co., Philadelphia.  
For page see List of Advertisers.

#### PLANT IMPORTS.

Entered at New York, November 11th to 17th, 1908:

From Germany: P. E. Anderson & Co., 38 bags seed; H. F. Darrow, 123 cs. lily of the valley pips; O. G. Hempstead & Son, 57 cs. do.; R. F. Lang, 9 cs. do., 6 cs. plants; C. D. Mallory, 6 cs. lily of the valley pips; Maltus & Ware, 217 cs. do., 26 cs. plants; P. H. Petry & Co., 81 cs. lily of the valley pips; T. C. Pollock, 30 cs. do.; August Rolker & Sons, 173 cs. do.; Anton Schultheis, 120 cs. do.; Schulz & Ruckgaber, 443 cs. do.; J. Stern, 119 cs. do.; Ten Kule, 80 cs. do.; J. M. Thorburn & Co., 15 bbls. seed; Vaughan's Seed Store, 60 cs. lily of the valley pips; Yokohama Nursery Co., 65 cs. do.

Via Liverpool: A. Murphy & Co., 28 cs. plants; Forwarder, 2 cs. trees.

Via Southampton: Sundry Forwarders, 7 cs. plants.

Via Rotterdam: C. C. Abel & Co., 79 cs. bulbs; H. H. Berger & Co., 30 cs. flower roots; A. T. Boddington, 36 cs. do., 15 cs. bulbs; E. T. Buckingham, 7 cs. plants, 8 cs. shrubs and trees; H. F. Darrow, 29 cs. plants, 3 cs. flower roots, 2 bgs. garden seed; Wm. Elliott & Sons, 11 cs. plants, 14 cs. trees and

shrubs; A. Gips, 22 cs. plants; P. Henderson & Co., 6 cs. bulbs; McHutchison & Co., 51 cs. plants; Maltus & Ware, 488 cs. do.; W. A. Manda, 9 pgs. trees and shrubs, 7 cs. do.; Chas. F. Meyer, 22 pgs. flower roots; A. Murphy & Co., 6 cs. bulbs; P. Ouwerkerk, 45 cs. trees; F. R. Pierson & Co., 15 cs. flower roots; August Rolker & Sons, 10 cs. plants; I. P. Roosa, 4 cs. plants; Stump & Walter Co., 24 cs. flower roots; J. M. Thorburn & Co., 3 cs. do., 24 cs. plants; Vaughan's Seed Store, 111 cs. plants, 33 cs. trees; Sundry Forwarders, 192 cs. plants, 16 cs. flower roots, 35 cs. trees, 15 cs. bulbs.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
1500 3 1/4 " " 5.25	60 8 " " 3.00
1500 2 1/2 " " 6.00	
2000 3 " " 5.00	<b>HAND MADE</b>
800 3 1/2 " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
320 5 " " 4.51	24 11 " " 3.60
144 6 " " 3.16	24 12 " " 4.80
	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts., 81 Barclay St., N. Y. City.

### DREER'S Florist Specialties. KEYSTONE CEDAR PLANT TUBS.



11 in.	10 in.	9 in.	8 in.	7 in.	6 in.
A 11 1/2 " 7 1/2 " 5.00	B 10 1/2 " 6 1/2 " 4.50	C 9 1/2 " 5 1/2 " 4.00	D 8 1/2 " 4 1/2 " 3.50	E 7 1/2 " 3 1/2 " 3.00	F 6 1/2 " 2 1/2 " 2.50

These largest sizes have handles

**Special PAIL TUBS.**

8 inches	3.50	28.00
11 " "	5.50	20.00

Painted Green.

**HENRY A. DREER,**  
714 Chestnut Street,  
PHILADELPHIA, PA.

### Standard Flower.. POTs

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON, D. C.

## List of Advertisers

Page	Page
Advance, The Co. .... 731	McManus Jas. .... 722
American Nursery .... 715	Meyer J. C. & Co. .... 719
Aschmann Godfrey .... 704	Michell H. F. Co. .... 716-729
Atlanta Floral Co. .... 718	Michigan Cut Flower
Bambrick Thos. H. .... 729	Exchange. .... 7-73
Barrows H. H. & Son. .... 704	Millang Bros. .... 722
Bassett & Washburn. .... 702	Millang Frank. .... 722
Bayersdorfer H. & Co. .... 719	Miller Floral Co., The. .... 708
Beaven E. A. .... 723	Mitting, A. .... 717
Berning H. G. .... 723	Moninger J. C. .... 731
Blossom The. .... 718	Moore, J. L. .... 704
Boblink & Atkins .... 715	Moore, Hentz & Nash. .... 722
Boddington A. T. .... 717	Moore-Livingston Co. .... 719
Boston Florist Letter	Morse C. C. & Co. .... 717
Co. .... 719	Mesback Greenhouses. .... 729
Boston Plate and Win-	Murray Samuel. .... 718
dow Glass Co. .... 730	New England Nur-
Bostrom-Brady Mig	series. .... 703
Co. .... 721	Niessen Leo. Co. .... 720
Bowe, M. A. .... 718	Oechslin Frank. .... 704
Breck Joseph & Sons. .... 717	Ordonez Bros. .... 703
Brekmeier's J. Sons. .... 718	Ouwkerk P. .... 715
Bridgeman's Seed	Paethorpe P. R. Co. .... 728
Warehouse. .... 717	Park Floral Co. .... 710
Budlong J. A. .... 720	Payne John A. .... 730
Burpee W. A. & Co. .... 717	Peacock Dahlia Farms. .... 700
Cannell H. & Sons. .... 715	Pennock-Meehan Co. .... 720
Carrillo & Baldwin .... 703	Perkins St. Nurseries. .... 704
Chicago Carnation	Pierson, A. N. .... 704
Co. .... 702	Pierson F. R. Co. .... 714
Clarke's David, Sons. .... 718	Pierson U Bar Co. .... 732
Cleary's Horticultural	Pieters A. J. Seed Co. .... 717
Co. .... 715	Pittsburg Cut Flo. Co. .... 717
Cotsonas Geo. & Co. .... 723	Poehlmann Bros. Co. .... 720
Cowee W. J. .... 723	Pratt B. G. Co. .... 726
Craig, Robt. Co. .... 702	Pulverized Manure. .... 719
Crawback Geo. W. .... 723	Quaker City Machine
Diagee & Conard Co. .... 702	Co. .... 731
Deane Geo. B. & Son. .... 731	Raynor John I. .... 722
Dorner F. Sons & Co. .... 702	Reardon Edmund. .... 703
Dorrance Benj. .... 711	Reed & Keller. .... 723
Dreer H. A. .... 703-713-728-730	Reinberg Peter. .... 720
Dunlop John H. .... 718	Reuter S. J. & Son
Dysart R. J. .... 719	Inc. .... 702
Edwards Folding Box	Rice Bros. .... 720
Co. .... 720	Rice, M. & Co. .... 709
Elliott Wm & Sons. .... 716	Rickards Bros. .... 717
Elm City Nurs'g Co. .... 715	Robinson H. M. & Co. .... 720
Enterprise Seed Co. .... 723	Rock Wm. L. Flo. Co. .... 718
Euler J. G. .... 731	Rochrs Julius Co. .... 703-711-714
Ernest W. H. .... 728	Roper Albert. .... 702
Eyres. .... 718	Roland, Thomas. .... 602
Farquhar R. J. & Co. .... 717	Rolker August & Sons. .... 728
Fiske, H. E. Seed Co. .... 717-729	Rose Hill Nurseries. .... 704
Foley Mig. Co. .... 731	Salford Geo. .... 722
Ford Bros. .... 722	Sander & Son. .... 703
Froment H. E. .... 722	Schiller Bros. .... 717
Galvin Thos. F. .... 718	Schultheis Anton. .... 703
Greater N.Y. Florists	Schulz Jacob. .... 719
Association. .... 723	Scott, John. .... 704
Grey T. J. Co. .... 717	Sharp, Partridge & Co. .... 730
Growers' Cut Flower	Sheridan W. F. .... 722
Co. .... 722	Siggers & Siggers. .... 730
Gude Bros. Co. .... 618	Simpson Robt. .... 716
Guttman Alex. J. .... 722	Situations & Wants. .... 729
Hall Asso. .... 731	Slinn B. S. Jr. .... 722
Hartmann Hjalmar &	Smith Elmer D. & Co. .... 702
Co. .... 717	Smyth Wm. J. .... 718
Hauswirth M C & J E. .... 718	Standard Plate Glass
Heacock Jos. & Co. .... 715	Co. .... 730
Henshaw & Fenrich. .... 723	Stearns A.T. Lumber
Herbert David & Son. .... 704	Co. .... 731
Hews A. H. & Co. .... 728	Stump & Walter Co. .... 729
Hilfinger Bros. .... 728	Swayne Wm. .... 703
Hill, The E. G. Co. .... 702	Tailby. .... 719
Hitchings & Co. .... 732	Thorburn J. M. & Co. .... 717
Hoffman. .... 719	Totty Chas. H. .... 724
Horan E. C. .... 722	Traendly & Schenck. .... 722
Houghton F. H. .... 718	Troy J. H. .... 702
Hunt E. H. .... 729	Twomey D. J. .... 715
Kershaw. .... 717	Valentine, J. A. .... 718
Kervan The Co. .... 723	Vincent R. Jr. & Sons. .... 702
Kessler, P. F. .... 722	Waban Rose Conser-
King Cons. Co. .... 730	vatories. .... 711
Knopf, Chas., Floral Co. .... 702	Waterer John & Sons. .... 715
Kraeschell Bros. Co. .... 711	Weathered Co. .... 731
Kuebler Wm. H. .... 723	Weber F. C. .... 718
Lager & Hurrell. .... 703	Welch Bros. .... 720
Langjahr, Alfred H. .... 722	Whildin Pottery Co. .... 728
Leonard Seed Co. .... 717	Wilson. .... 718
Leuthy A. & Co. .... 704	Winterson, E. F. Co. .... 720
Lord & Burnham Co. .... 732	Withold Geo. Co. .... 704
Lutton W. H. .... 731	Wood Bros. .... 702
Manda Jos. A. .... 703	Woodrow, Sam'l A. .... 722
MacMulklin E. A. .... 718	Yokohama Nursery Co. .... 703
McCarthy N. F. & Co. .... 723	Young A. L. .... 723
McConnell Alex. .... 718	Young John. .... 723
McKellar Charles W. .... 720	Young & Nugent. .... 718
McKissick, W. E. &	Zangen O V. .... 717
Bros. .... 720	Zinn Julius A. .... 719
	Zvolanek A. C. .... 717

**Is Your Name In The Above List? If Not, Why Not?**

## "SCALECIDE"

PRATT'S

TRADE MARK REG. U. S. PAT. OFF.

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than lime sulphur. Not an experiment. Write for FREE sample and endorsement of fruit growers and entomologists who have used it for years. Prices: 50-gal. bbl., \$25.00; 30-gal. tm., \$15.00; 10-gal. can, \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00, f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water. "Pocket Diary and Spray Calendar for 1909 sent 1 K.E.L. Mention this paper."

B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.

### WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

### HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## Help Wanted

**SALESMAN**—To travel on the road about 8 or 9 months each year, by a reliable, old established firm, importing plants, nursery stock, bulbs, etc. Experience and knowledge of the business absolutely necessary. Wages and expenses paid. Address with references, stating age, salary, experience, etc. D. B., care HORTICULTURE.

**SALESMAN WANTED**—To sell Nursery products to private trade and florists' stock to trade. Must have good knowledge of business and experience. Permanent position and good salary to right man. Address Nurseryman, care HORTICULTURE.

**WANTED**—Experienced rose grafter to take charge of that department in a large greenhouse establishment. Address, stating qualifications, L. R. G., care HORTICULTURE.

### FOR SALE

## FOR SALE

On Favorable Terms

The Mosbaek Greenhouse Co. offer their plant at Onarga, Illinois, for sale. This plant consists of Eight Modern Greenhouses each 25 x 100 ft., well equipped with Ferns and Bedding Plants of all kinds, and Several acres of Perennials. Also a good sized dwelling house and five acres of land adjoining; also leasehold for 47 acres of additional rich land, about one-half of which is set to Asparagus and Pleplant. The business is mainly wholesale—very little retail business being done. Any one interested will be furnished with detailed information on application to

**THE MOSBAEK GREENHOUSE CO.**  
ONARGA, ILLINOIS

**FOR SALE**—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

### MISCELLANEOUS WANTS

**WANTED**—*Alsophila australis*, in smaller sizes. State price and quantity in stock. J. F. Anderson, Short Hills, N. J.

### DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

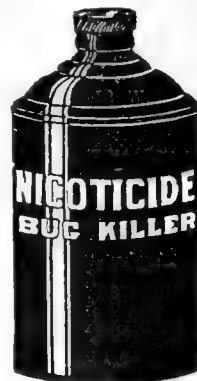
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



The Best  
Bug Killer and  
Bloom Saver

For PROOF  
Write to

P. R. Paethorpe Co.  
OWENSBORO, KY.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

HORTICULTURE needs a wide-awake representative in every town in the land. Good commission paid on advertising and subscriptions. If you are ambitious, write for terms.

## Obituary

### E. Leedham.

E. Leedham of Santa Cruz, Cal., died on Nov. 5, aged 80. He was the originator of the Leedham Bulb Co.

### J. E. Sills.

John E. Sills, representative of the Charlton Nursery Co., Rochester, N. Y., sustained injuries from a fall on Nov. 12 which resulted in his death. He was 65 years old.

### James Lewis.

James Lewis, at one time in charge of the greenhouses and grounds of the Northern State Hospital for the Insane, and later employed by E. P. Sawyer, died in Oshkosh, Wis., November 7, aged 75.

### J. A. Nisbet.

John A. Nisbet, a well-known landscape gardener and florist of Providence, R. I., died suddenly in an electric car, on November 10. He was born in Seekonk, Mass., in 1844. His widow survives him.

### Frank Beu.

Mr. and Mrs. Frank Beu have the sympathy of the entire Chicago trade in the sudden death of their son Frank, thirteen years old, on Nov. 11. His classmates attended the funeral, each one carrying a chrysanthemum which was dropped in the open grave.

### James Henderson.

James Henderson, who was well known among horticulturists by his development of the Governor Gore estate in Waltham, Mass., of which he had charge for fifteen years, died at his home in Northboro, Mass., Nov. 22, at the age of 80. A widow and four daughters survive him.

### S. W. Flower.

Steven W. Flower, born in Clayton, N. Y., August 21, 1832, died at his home in Toledo, O., Nov. 13, in his seventy-sixth year. Mr. Flower started in the grain and grass seed business in Toledo in 1868 and was widely known as the head of the company that bears his name. He retired from active work some ten years ago and his nephew, C. S. Burge, has had control of the business.

### GREENHOUSES BUILDING OR CONTEMPLATED.

Dayton, O.—D. E. Adsit.

Beaumont, Tex.—C. J. Axelson.

Newport, R. I.—Wm. Jurgens, house 40x200.

Winona, Minn.—E. Kirchner, three houses.

Rockford, Ill.—C. H. Woolsey, enlarging.

Beverly Farms, Mass.—Robert S. Bradley.

Fonda, N. Y.—Andrew Henderson, one house.

Dickersonville, N. Y.—J. C. Rogers, one house.

Hemet, Calif.—Charles Howard, rose house.

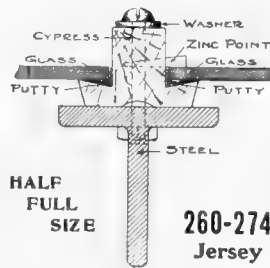
Newport, R. I.—Wm. Jurgens, rose house 200 ft. long.



### The "T" Bar Curved Eave Greenhouse

Is absolutely Dripless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed—all steel inside, all wood outside.

#### Greenhouses of Every Type



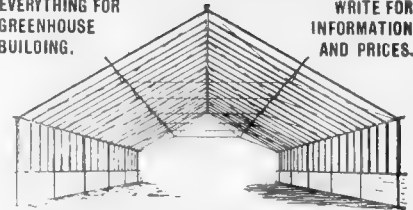
**JOHN A. PAYNE**

Greenhouse Designer and Builder

260-274 Culver Ave.  
Jersey City, N. J.

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

### BOSTON PLATE & WINDOW GLASS CO.

### GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

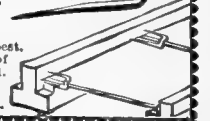
Holds Glass Firmly

See the Point & PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,  
214 Chestnut St., Phila., Pa.

FULL SIZE  
No. 2



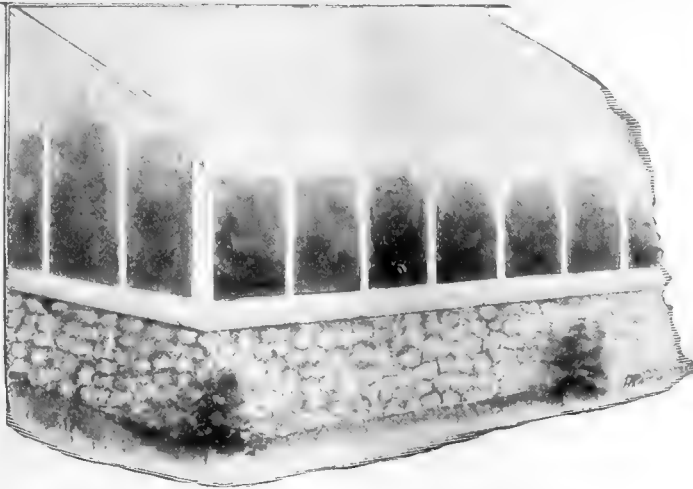
# Big Christmas Trade

YOU CAN'T ESCAPE IT IF YOU ADVERTISE  
FOR IT IN HORTICULTURE'S

## BIG ANNIVERSARY NUMBER

DECEMBER 12



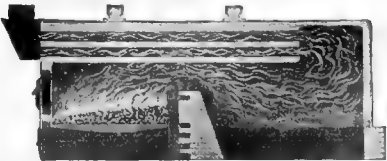


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Where to buy is the question to decide now before you are ready to build, send for our new printed matter, look into the merits of our line, compare it with others—its principles, its light running, lasting qualities, and fair prices, and follow this up with a trial order. You will then know that we have the machine that does its work first class—better than all others. See our new pipe carriers, new pipe couplings, new shelf brackets, etc.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam,  
Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

See List of New Offers in This Issue.  
Page 729.

## THE WEATHERED COMPANY

erect the house of

### GREATEST SUNLIGHT

Iron Frame Semi-Iron Frame  
or All-Sash-Bar Houses  
Erected or Material Furnished

Send for Catalogue

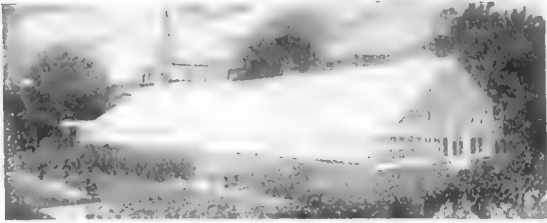
P. O. Address Box 739  
NEW YORK CITY N. Y.

## GREENHOUSE CONSTRUCTION LUMBER

**John C. Moninger Co.**

117 E. Blackhawk St., CHICAGO.

The **FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N.J.**

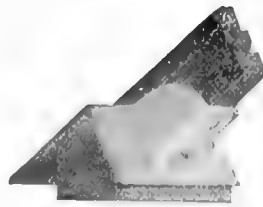


## OUR IRON FRAME HOUSE

There is an argument—a strong argument—in favor of putting money into a house that is not an experimental construction. The THEORY of how long a house will last is a good talking point, but the FACT that our Iron Frame Construction has stood the test—the severest kind of tests—makes it the only SAFE PROPOSITION.

Send for our illustrated circular—Iron Frame Greenhouses for Private Places.

**Hitchings & Company**  
1170 Broadway New York



IF IT  
HAS NOT  
OUR SASH  
BAR CLASP

## Then It Is Not Our Patented Ice-Clearing Eave Plate

The galvanized plate clears the ice, strengthens the house, reduces shade; but it is our special **Sash Bar Clasp** that makes that all important wood to iron joint and prevents end bar rot.

It is not an iron bracket but a **galvanized clasp**, that holds, braces and preserves the bar and strengthens the entire framing.

See Handy Hand Book page 9.

**Lord & Burnham Co.**

Main Sales Office: 1133 BROADWAY, N.Y.

BOSTON: 819 Tremont Building. PHILADELPHIA: 1215 Filbert St.



## U-BAR ADAPTABILITY

You know how unattractive, absolutely factory like the usual greenhouse of the ordinary construction is. It isn't the kind of house that will harmonize with the attractive way grounds are being laid out these days.

But the U-Bar construction, because of its graceful lines and extreme lightness of effect makes a greenhouse adaptable to the most exacting requirements. See the illustration.

It is the ideal construction for private estates, parks, public institutions and florists' show rooms.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII.

DECEMBER 5, 1908

No. 23



YOUNG APPLE TREES

Five Mile Prairie, Washington, five miles from Spokane.

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER,**  
and  
**Kindred Interests**

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

# GERANIUMS

Our stock is the largest and most complete in the country. We have an immense lot ready for shipment from 2 in. pots. We do not send out rooted cuttings. We have good standard sorts at \$2.00 per 100, \$18.50 per 1000 and up to newer varieties at 50c each.

We will send 1000 good plants, 50 each of 20 good varieties, our selection, single and double, for \$18.50 Cash. A splendid collection to stock up on.

**SCENTED GERANIUMS. Special Offer.** 100 in 20 varieties for \$2.00.

**IVY GERANIUMS. Caesar Franck, Mrs. Banks, Alliance, \$2.00 per 100.**

**LOBELIA KATHLEEN MALLARD.** The new double blue Lobelia, nice stock from 2 inch pots, 50c per doz., \$2.00 per 100.

**LEMON VERBENA, Aloysia Citriodora, 40c per doz., \$2.00 per 100.**

## HARDY CHRYSANTHEMUMS

We have been the acknowledged leaders in Hardy Chrysanthemums for the past 15 years, and are now preparing the best collection for next Spring that we have ever sent out. Send for List. Let us book your order early, \$2.00 per 100. Special Prices on Large Lots.

**R. VINCENT JR. & SONS CO., White Marsh, Md.**

## Chrysanthemum Stock Plants

Per doz.	Per doz.	Per doz.
Lynnwood Hall....\$3.00	October Frost...\$0.75	Monrovia.....\$0.60
Mlle. Marg. Desjouis 5.00	Mary Mann .... 1.00	White T. Eaton .75
Virginia Poehlmann 1.25	Early Snow.... 1.00	

A very complete line of Mums both new and old, in young plants, early in the year

**THE E. C. HILL CO., RICHMOND INDIANA**

## BAY STATE

Orders for January Delivery are being rapidly booked.

If you want to get in

on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER, Tewkesbury, Mass.**

## NEW RED CARNATION

## O. P. BASSETT

**Extra Large Bright Red Free Bloomer**

PRICES	PRICES	PRICES
Rooted Cuttings, per 1000, \$60.00	Rooted Cuttings, per 100, \$8.00	Rooted Cuttings, per 25, \$2.50
per 50, 35.00	per 50, 4.50	per 12, 1.50

Ready for delivery Jan. 1st, '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL**

## NEW CARNATIONS 1908-1909.

**THE CREAM OF THE NOVELTIES. YOU WILL WANT THEM ALL.**

**MRS. CHAS. KNOPF.** Darker, Better and Freer than Enchantress.

**RUBY.** The Scarlet Crimson. See for Description. \$12.00 per 100; \$100.00 per 1000.

**LAWSON-ENCHANTRESS.** In Lantess with the Lawson Color. A Success Wherever Grown.

**SARAH HILL.** The Grandest Winter Flowering Variety Sent Out in Recent Years.

We have a lot of these varieties and can make early delivery.

\$5.50 per 100. \$50.00 per 1000.

**CHARLES KNOPF FLORAL COMPANY, Richmond, Ind.**

And S. J. REUTER & SON, Inc., Westerly, R. I.

## CARNATION CUTTINGS

We offer choice varieties for January and later shipments.

	Per 100	Per 1000
Enchantress.....	\$2.50	\$20.00
White do.....	3.50	30.00
Rose Pink do.....	2.50	20.00
White Perfection .....	2.50	20.00
Winsor.....	3.50	30.00
Melody .....	2.50	20.00
Beacon .....	3.50	30.00
Victory.....	3.50	30.00
Aristocrat.....	3.50	30.00
Splendor.....	6.00	50.00
Vesper .....	3.50	30.00
White Lawson .....	2.50	20.00

## EAST SUDBURY GREENHOUSES,

Carnation Specialists

P. O. Address South Sudbury, Mass.  
Telephone So. Sudbury 20.

## Chicago Carnation Co.

JOLIET, ILL.

## CARNATION SPECIALISTS.

### NEW CARNATION PINK DELIGHT

Waxy Shell Pink. A Grower's and Shipper's favorite. Has a holding color, keeps well, comes on long stems and is early, very free and continuous flowering.

January delivery, \$12.00 per 100; \$100.00 per 1000.

F. Dorner & Sons Co., La Fayette, Ind.

## CHAS. H. TOTTY Chrysanthemums

**MADISON, N. J.**

## CHRYSA NTHEMUMS

Strong stock from benches: White: Linwood Hall, 25c each. Timothy Eaton, Mrs. Geo. S. Kalb (fine, early), Estelle, W. Bonaffon, Alice Byron, Ivory, C. Touset, J. Nonin, Pink: Glory of the Pacific, Dr. Enguehard, M. Dean. Yellow: M. Bonaffon, Cremo, Halliday, Yellow Jones, "Baby," \$1.00 per dozen; \$5.00 per 100. Cash with order.

WM. SWAYNE, Box 226, KENNETT SQUARE, PA.

## NARCISSUS

(PAPER WHITE GRAND FLORA)

First Class Bulbs \$1 per 100; \$8.00 per 1000

**THE DINGEE & CONARD CO.**  
WEST GROVE, - - PA.

## ROBERT CRAIG CO.

**ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

## CYCLAMEN GIGANTEUM

5, 6 and 7 in. pots—50c, 75c, and \$1.00 each.

Extra heavy stock of the very best quality.

**Thomas Roland,**  
Nahant, Mass.





# AZALEAS, RHODODENDRONS AND OTHER Florists' Plants

Our stock of Azaleas and Rhododendrons is exceptionally fine this season. Everybody who intends to buy should inspect the plants we offer. We can fill orders of any size.

## AZALEAS.

Apollo, Comte Oswald de Kerchove, Deutsche Perle, Imperatrice des Indes, Mad. C. Van Langenhove, Mme. Van der Cruyssen, Paul Weber, Raphael, Simon Mardner, T. Iisman, Bernard Andreas alba, De Schryveriana, Empereur du Bresil, John Llewelyn, Mme. Jos. Vervaeke, Niobe, Prof. Wolters, Sigismund Rucker, Souv. du Prince Albert, Vervaekeana.



	Doz.	100
8 to 10 in. diam.	\$3.50	\$25.00
10 to 12 " "	4.50	35.00
12 to 14 " "	6.00	45.00
14 to 15 " "	7.50	60.00

	Doz.	100
15 to 16 in. diam.	\$9.00	\$75.00
16 to 18 " "	12.00	90.00
18 to 20 " "	25.00	200.00
20 to 24 " "	36.00	300.00

## RHODODENDRONS

### POT GROWN.

Acacia Paradoxa.....	\$12.00 per doz.
Aspidistra, green.....	\$ .75, \$1.00 and \$1.50 ea.
Aspidistra variegtd.....	1.00, 1.50 " 2.00 "
Araucaria Excelsa, fine plants,	\$6.00 and \$9.00 per dozen.
Deutzia Gracilis.....	\$2.00 \$15.00
Double Flowering Cherry.....	15.00
English Hawthorn Dbl. Scarlet	12.00
Erica Herbacea.....	3.00
Lilac, Charles X, Marie Le Graye,	extra size, for 8-9 in. pots.....
Malus (flowering Crab).....	9.00
Prunus Triloba, Standard.....	12.00
Prunus Triloba, Bush.....	15.00
Orange Plants, well fruited	9.00
	\$ .75, \$1.00, \$1.50 and \$2.00 each

in all bright colors; fine forcing varieties, good value.....\$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per dozen.

Staphyllea Colchica.....	\$9.00
Viburnum Opulus.....	6.00
Weigela, Eva Rathke.....	12.00
Wistaria, Blue.....	12.00

### FIELD GROWN.

Aucuba Variegata (for window boxes).....	4.00
Aucuba, Variegata, fine plants,	9.00
Azalea Mollis.....	4.50 \$35.00
Dielytra Spectabilis.....	6.00
Kalmia Latifolia.....	9.00
Magnolia, pink.....	\$1.50 to \$2.50 each
Spiraea Gladstone.....	\$10.00

**ROSES, HYBRID PERPETUAL.** low budded, 2 year old, finest stock ever received, following varieties, \$12.00 per 100; \$100.00 per 1000. General Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Bauman, Three Kaiserins, white, red and pink, Clothilde Soupert, Baroness Rothschild, Mrs. John Laing, General Washington, Gabriel Luizet, Magna Charta, Mme. Plantier, Frau Karl Druschki, Mrs. R. G. Sharman Crawford.

**TEA AND POLYANTHA,** following varieties, \$12.00 per 100. Maman Cochet, pink, Maman Cochet, white, Agrippine, red, K. A. Victoria, Hermosa, pink.

	Doz.	100
<b>CRIMSON RAMBLER</b> following sizes and prices:		
2 yr. old, 2-3 ft., well branched, own roots.....	\$2.00	\$12.00
2 yr. old, 2-3 ft., " " budded.....	2.00	12.00
3 yr. old, 3-4 ft., " " own roots.....	3.00	15.00
3 yr. old, 3-4 ft., " " budded.....	3.00	15.00
<b>DOROTHY PERKINS</b> , strong, field grown.....	\$2.00	\$15.00
<b>LADY GAY</b> , 2 yr. old.....	15.00	
<b>BABY RAMBLER</b> , Dormant, field grown, selected, budded plants.....	2.50	16.00
<b>ANNY RUELLER</b> , (Pink Baby Rambler) Dormant plants, 2 yr. old.....	10.00	

**BAY TREES,** Standards and Pyramids, all sizes. | **KENTIAS,** The handsomest lot in the country, Ask for Prices. zes

WE HAVE A FINE SELECTION OF NURSERY PRODUCTS. SHALL BE PLEASED TO GIVE SPECIAL PRICES ON LISTS.

ASK FOR WHOLESALE CATALOG.

**BOBBINK & ATKINS** NURSEYMEN and FLORISTS Rutherford, N. J.

Hardy Rhododendrons Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our **HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK,** 216 Jane St., Westchester Heights, P. O. No. 1, Hoboken, N. J.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction **HORTICULTURAL PRODUCTS** or every description.

Consignments Received. Surplus Stock Converted  
62 Vesey St., NEW YORK

## Box Trees

and other **EVERGREENS** for Tubs and Boxes  
Our Prices are Always Right—Catalog Free  
**THE NEW ENGLAND NURSERIES, Inc.**  
**BEDFORD, MASS.**

**THE PRIZE WINNING STRAWBERRY**  
**The Barrymore**

Send for Folder at Once.

**H. L. CRANE, Originator,**  
Westwood, Mass.

**BARGAINS** in TREES and PLANTS

Concord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

## JOHN WATERER & SON, Ltd. American Nursery Bagshot, England

Are Specialists in the

**REALLY HARDY VARIETIES**

of Rhododendron Hybrids and in Select Varieties of Hardy Border Plants.

**TREES, EVERGREENS, SHRUBS, VINES, PERENNIAL PLANTS, FRUITS, TRAINED FRUIT TREES, FOREIGN GRAPE VINES, HARDY RHODODENDRONS and R. MAXIMUM** in quantity, per hundred or per thousand, very fine. Complete assortments: Careful grading: Low prices.

**AMERICAN NURSERY COMPANY,**  
Sales Department, 150 BROADWAY, NEW YORK CITY.  
BLOODGOOD NURSERIES DEPT., Flushing, Long Island.  
F. & F. NURSERIES DEPT., Springfield, New Jersey.

**1000 Dorothy Perkins,** three years, 6 to 8 branches, five to eight feet, fine for forcing, \$10.00 per 100, also a fine lot of **Prunus Triloba**, three to four feet, nicely branched, and **Deutzia Gracilis**, eighteen to twenty-four inches.

**HOOPES BRO. & THOMAS COMPANY**  
MAPLE AVENUE NURSERIES, WEST CHESTER, PA.

**TO BUYERS**

Patronize our advertisers. they will treat you right

## Grapes Under Glass

The grapery here illustrated is a part of the range of glass built by Lord & Burnham Co. for Mrs. F. F. Thompson of Canandaigua, N. Y., in 1902. The picture was taken when the vines were four years old. The varieties grown are Black Hamburg, Muscat of Alexandria, Buckland Sweetwater, Foster's Seedling, Black Alicante, Gros Colman, Golden Queen, and Melton Constable, the latter a good late grape of Colman type, but much better flavor. By request I will give a few notes on my method of culture commencing with the treatment from now on (November 1).

The early house is clear of fruit, the side and top ventilation are open day and night to ripen the wood; the border is examined and if too dry is given a good watering as I believe a dry border to be the cause of many failures in grape culture as the surface or feeding roots are kept near the top of the border and many roots die for want of moisture.

### PRUNING AND CLEANING

After the leaves have fallen and the wood is thoroughly ripened the vines are taken down and pruned. I practice the spur system but it takes experience and good judgment to prune a vine. After the cuts are dry I cover with Thompson's Styptic, a preparation to prevent bleeding, which often happens when the vine starts.

The next operation is cleaning the vines which is very important. Remove all loose bark by hand, working carefully around the spurs to avoid damaging the buds and keeping a sharp eye out for that awful pest, the mealy bug. The vines are now washed with a solution of fir tree oil using about a gill to a pail of water. The house is also thoroughly washed with strong soap; this is very essential to keep the house free of bugs as precaution is better than a cure when it comes to keeping the grapery clean.

Everything now being clean, the vines are tied down as near the ground as possible and covered with anything that will keep the sun from striking them, helping to keep the vines dormant until starting time. If the weather is very severe I turn on enough heat to keep from freezing, holding the temperature about 35 degrees as the house must be kept cool and dry.

### STARTING

The first week in February I begin to force. After removing all loose soil for an inch or two, being careful not to disturb the roots, the border is filled to a level with fresh soil then forked up lightly and watered thoroughly. I may add here that this border is all inside, filled with 3 feet of soil from an old pasture. The bottom of the border is a natural bed of shale rock with 6 inches of broken stone on top which carries away the water, making the drainage perfect.

The border having been thoroughly watered the house is started slowly at a temperature of 45 degrees by night and 65 degrees by day, syringing the vines two or three times daily and keeping pans of water on the pipes for evaporation. Air is admitted freely in sunny weather and at all times allowing as much air to pass through the ventilators as is consistent with the proper degree of temperature. In three or four days I give a dressing



of Thompson's vine manure, about two pounds per yard super, following with a light watering.

### CARE DURING THE FLOWERING PERIOD

About the 25th the temperature is raised 5 degrees more allowing the sun heat to become more powerful. The vines being broken along the whole rod they are tied to the wires, and the air syringed frequently to keep moist by evaporation.

The first growth is very rapid. I allow the shoots to grow until the lower leaves are pretty well expanded and the flowers well formed. Any disbudding can be done at this time if possible, being careful as they are very easily broken. Pinching is also done now, cutting back to the first or second eye beyond the fruit. I again increase the temperature slowly 60 to 65 degrees by day rising to 85 degrees with sun heat and 60 at night. Increase towards the last of the month 70 to 75 degrees by day, allowing the sun to raise as high as 95 degrees, keeping 70 degrees at night. At this stage plenty of air is essential, syringing constantly until the vines are in flower; then I stop syringing until the fruit is set when it is again done freely and the pans filled with water.

### THINNING FRUIT AND FINISHING

Now comes a very important part of the work, thinning the fruit, which requires good judgment and patience. I go over a second time and, as the berries swell, support the shoulders by tying to the cane or branches above. At this time I give another light dressing of Thompson's manure, 1 lb. to the yard super, and water the border, reducing the temperature slowly to 80 degrees by day and 60 degrees at night, paying strict attention to air, watering and pinching to finish the crop.

As soon as the berries begin to color all syringing is stopped, bottom air admitted slowly and increasing, gradually reducing the water at the roots. When the fruit is ripe the house is kept cool and dry until it is cut.

*Robert E. Ballantyne*  
Canandaigua, N. Y.

## British Horticulture

### AN AUTUMN FRUIT SHOW

A splendid display of home-grown fruit was brought together at the autumn show of the Royal Horticultural Society. This year, in marked contrast to last season, has been more favorable for the growers, with the result that the hall was well filled with a highly meritorious array of well colored and attractive specimens. The nurserymen who make a specialty of fruit were well to the fore. Messrs. Bunyard & Co. had a magnificent collection of Kentish grown fruit, 180 varieties of apples and pears being included. This was awarded a gold medal. The second prize was awarded to Messrs. Cannell & Sons, who also exhibited Kentish fruit. Messrs. J. Cheal and Sons, who were the third-prize winners, had amongst their fine group a new winter dessert pear, *Beurre de Naghan*, a fruit of large size, pale golden in color, with a resemblance of *Duchess d'Angouleme*, but of superior texture. This pear was awarded a certificate of merit from the Royal Horticultural Society. Another novelty was *Encore*, one of the excellent apples which have been raised by Mr. C. Ross, a veteran hybridist. It was produced as a cross between Warner's King and Northern Greening, and is regarded as a good late keeper. Amongst the other commercial growers H. T. Mason had a very creditable display of marketable produce. In the amateur section the exhibits of grapes were particularly fine.

### A CONFERENCE ON SPRAYING

On the second day of the show there was a conference called by the Royal Horticultural Society and the National Fruit Growers' Federation to discuss the important question of spraying. A remarkable feature of the discussions was the wide diversity of opinion amongst the scientific experts as to the value of spraying. The ordinary grower may well be perplexed when he finds this lack of unanimity on an essential part of fruit growing. There, however, appeared to be a consensus of opinion favorable to the use of Bordeaux mixture, provided the proper ingredients were obtained. Several of the growers also urged the necessity of a special department of the Board of Agriculture being set aside for the purpose of dealing with the fruit growing industry. In the course of a paper read by Mr. Gettings, a Herefordshire grower, he suggested that a party of British growers should pay a visit to the United States, and investigate the methods of spraying and other allied matters, and report as to their inquiries for the benefit of the industry in Britain. A trip of this character would prove beneficial in extending a knowledge of the American methods, and doubtless the British Government might advantageously follow the lead of the United States in giving additional aid to the fruit growers. At present in this country the experiment and researches essential for the guidance of the commercial growers have to be made by enterprising private individuals like the Duke of Bedford and other similar public spirited

men. This is clearly a sphere of work in which the Government could usefully engage for the benefit of an important section of the community. The latest statistics show that fruit growing is on the increase in this country, and this gradual rise has been going on for some years.

### NATIONAL SWEET PEA SOCIETY

This society continues to maintain its prosperous position. Arrangements have now been made for holding the next show at the Royal Horticultural Hall, London, on July 23rd, 1909, and the provincial show will be held at Soltaire on July 13th. A satisfactory report will be presented at the annual meeting of the society which will be held in London on Dec. 11th. The committee have made arrangements for holding another series of trials of sweet peas in the gardens of the University College, Reading. These trials have been a valuable adjunct of the society's work. A full opportunity has been afforded of seeing the new introductions in their natural state before a certificate has been granted. A new arrangement has been made for next season. It is intended to make a charge of 2s. 6d. for each variety sent for trial. Varieties will only be received from the raisers or the original distributors. Further details as to this branch of the society's work are obtainable from Mr. C. H. Curtis, secretary, Adelaide road, Brentford, England.

### THE NICHOLSON MEMORIAL FUND

The council of the Royal Horticultural Society are raising a fund for the establishment of a permanent memorial to the late George Nicholson, who has done so much in the furtherance of horticulture. Mr. Nicholson's name will always be associated with "The Dictionary of Gardening." For many years Mr. Nicholson was a useful member of the Scientific Committee of the Royal Horticultural Society. He took a prominent part in the revival of examinations by the society, and himself acted as one of the examiners. The council, under these circumstances, think that it would be appropriate to perpetuate Mr. Nicholson's memory by establishing a Nicholson prize to be awarded annually after examination to the students at the society's headquarters at Wisley. It is hoped that a satisfactory response will be made to the appeal issued by the Secretary of the Royal Horticultural Society.

*W. H. Adsett.*

## Coming

The Fourth Annual Holiday and Anniversary Number of HORTICULTURE. If you have anything to sell wake up. HORTICULTURE reaches the buyers.

HOLIDAY TRADE NUMBER WILL BE ISSUED

**December 12—Prosperity Waits**

# **BUFFALO'S UNIQUE FLOWER SHOW.**

After a lapse of four years, the flower lovers of Buffalo were treated to another, and in one respect unique, flower show. It was unique in that no prizes were offered, and the florists and gardeners of Buffalo and vicinity, as well as those who sent special cut flowers from a distance, who so freely gave their choicest stock for exhibition, did so from the standpoint of professional pride and not from the hope of gain or even remuneration. This, to the writer, goes far to disprove the common opinion that the average American florist is too mercenary to support a flower show, and that he pays little attention to professional pride which is the chief remuneration of the European florist and gardener. The show was held on the 18th and 19th, in the spacious parlors of Buffalo's best hotel, The Iroquois, three very large rooms being devoted to it.

On the evening of the 18th, a banquet was given in the exhibition rooms, which was declared the best ever given by the Buffalo Florists' Club. The genial William F. Kasting acted as toast-master and a number of after-dinner addresses were made, among them one by Prof. John F. Cowell, who, having just returned from the National Flower Show, where he had acted in the capacity of judge, gave a brief description of that event which all appreciated.

It was the original intention to hold the show for one day only and to invite the florists, their friends, and a limited number of the elite of Buffalo, but the large number and extent of the exhibits, which far surpassed the most sanguine hopes of the committee of management, made it imperative to hold the show open for an additional day and invite the general public, free of charge. The only regret that the committee of management had, was that this was not decided long before the show was held, so that opportunity might have been given to advertise the affair to the public, as the merits of the exhibits demanded.

Too much praise cannot be given to the efficient Flower Show Committee, which consisted of W. J. Palmer, C. T. Guenther, Charles Sandiford, Rowland Cloudsley, David Scott and W. Legg, who labored with untiring devotion to the successful culmination of the show, under the able leadership of the chairman, W. J. Palmer, to whom the success of the show is largely due. Mr. Palmer merited and received the praise of not only the florists but of as many of the public as were aware of his interest in the exhibition. The most glowing praise was given by those who had attended the National Show, Messrs. Cowell, Kasting and Guenther, who said that it lacked, not the quality, but only the extent of the Chicago Show. After the close the exhibits were divided between the management of the hotel, and the various hospitals of the city.

The judges were, C. T. Guenther, Chas. Sandiford, and Prof. J. F. Cowell of the Buffalo Botanical Garden.

The exhibits were as follows:

## **FROM OUT OF TOWN**

Vases of Golden Eagle, at. Foxwood Hall chrysanthemums, from The E. G. Hill Co., Richmond, Ind. Pink sport from Jerome Jones, from Vick & Hall Rochester,

N. Y. Collection of 15 distinct varieties, staged separately, among which Pres. Roosevelt, Pocket's Surprise, Dakome, Golden Eagle, and Guy Hamilton, attracted attention, the last named flower being the largest in the show, from Elmer D. Smith, Adrian, Mich. Three vases, from the La France Carnation Co., Elmira, N. Y. Seedling No. 20, which is of the Marie Lizer type, attracted considerable attention, from Chas. Totty, Madison, N. J.

Two vases of new rose Mrs. Marshall Field, from Peter Reuberg, Chicago; 50 blooms of rose My Maryland, from E. Towill, Hillsdale, Pa.; 50 blooms of Mrs. Jardine, from S. S. Pennock-Meehan Co., Philadelphia, Pa. Four vases of Tea roses, from the Plantidendron Co., Utica, N. Y. Vase of the "Taft Rose," from the Hyde Park Rose Co., Cincinnati, O. Safrano roses, from W. H. Elliott, Brighton, Mass.

Violets, from C. F. Bahner, Poughkeepsie, N. Y., and F. R. Gallman.

Carnation seedlings Appleblossom and Wa No Ka, from the Wa No Ka Greeting Houses, Barneveld, N. Y. (These blooms attracted much attention as they arrived in excellent condition, being shipped in a special cardboard box, so arranged that each calyx was held in a niche in a cardboard strip to prevent the moving of the blooms. This box was placed on exhibition and was favorably commented upon.) Four vases of standard varieties, also vase of the new seedling No. 500, which attracted a great deal of attention, from The Joliet Carnation Co., Joliet, Ill. Three vases of standard varieties, from The La France Carnation Co., Elmira, N. Y. New carnation Wm. H. Taft, from Schneider & Sons, Chicago, Ill. Carnation Orlando P. Bassett, from Bassett & Washburn, Hinsdale, Ill. Asparagus plumosus, from The Lake View Gardens, Jamestown, N. Y.

## **FROM BUFFALO AND VICINITY.**

Twenty vases of chrysanthemums in 20 varieties, from Buffalo Botanical Garden; 3 vases in 3 varieties, from C. Sandiford, gardener to J. J. Albert; 3 vases of Maud Dean, from C. F. Christensen, Eggertsville, N. Y.; 5 vases in 5 varieties, from F. G. Lewis, Lockport, N. Y.; 2 vases standard sorts, from S. A. Anderson, Buffalo; 12 vases in 12 varieties, from Chas. Sandiford; 2 vases in 30 varieties, from Wm. Elman, Corfu, N. Y.; 2 vases Golden Wedding, from the Wm. Scott Co.; 2 vases Golden Wedding, from C. T. Guenther, Hamburg, N. Y.; 3 vases Dr. Engelhardt, from The Buffalo Cut Flower Co.; 6 vases standard varieties, from W. J. Palmer & Son.

Four vases of roses, from W. J. Palmer & Son.

Violets, from Rowland Cloudsley. Three vases of carnations in 3 varieties, from W. J. Palmer & Son; 7 vases in 7 varieties, from White Bros., Gasport, N. Y.; 6 vases in 6 varieties, from D. T. McCarty, Lockport, N. Y.; collection of standard varieties, from C. F. Christensen; collection of standard varieties and seedlings, from Wm. Elman.

Lilium lancifolium, from Chas. Sandiford. Collection of berried shrubs and shrubs with bright colored bark, showing winter effect, from George W. McClure & Son.

Twelve specimen chrysanthemum plants in 12 varieties, from Chas. Sandiford; 18 specimen plants in 6 varieties, from the Buffalo Botanical Garden; 6 specimen plants in 6 varieties, from The Wm. Scott Co.; 1 specimen plant, single, from the Wm. Scott Co.

Group of Lorraine and Turf of Hill begonias, also hanging basket of same, from S. A. Anderson; Lorraine begonias, from Chas. Sandiford and from L. H. Sander. Orchids, from Chas. Sandiford.

Ferns and foliage plants, from F. Verma, gardener to Geo. Urban, Ill. Ferns and Selaginellas, from S. A. Anderson.

Of special interest was a beautiful variegated Philodendron, which was shown for the first time in the show, the plant "Iroquois" which will be found in this plant which is placed on the stand by Mr. Anderson. It was raised by the German grower, Joseph Strodt.

The general arrangement of the show was artistic, as the exhibits were not particularly arranged in classes, thus detracting from the general effect, as is the usual method. Several of the florists arranged all of their entries together so that the effect in the luxurious parlors of the hotel, was highly decorative. Among these might be mentioned the display of S. A. Anderson with its mass of Lorraine be-

gonias, stove plants, and cut flowers; that of W. J. Palmer & Son with its effective arrangement of mixed cut blooms; that of Chas. Sandiford, the President of the Club, with its fine cut blooms, orchid plants, lilies, etc., also that of T. Veneman, gardener to Geo. Urban, Jr., whose general collection was good and well arranged.

The specimen chrysanthemum plants were exceptionally fine, especially those of the Buffalo Botanical Garden, among them some very large bloomed plants of Merza. Those of Chas. Sandiford were also exceptionally good.

It was with much satisfaction that we noted the very excellent specimen plants of the Wm. Scott Co., as this is the first time in years that any of the commercial florists have taken the trouble to raise large specimen plants. Among the best of these was a fine specimen of Golden Age with very large flowers. Alexander Scott, who raised the plants, explained that it was his idea to have fewer blooms on each plant, but of a better quality than is usually seen on specimen plants, and he gave us an ocular demonstration. Another of the specimens was a large plant of the single variety Golden Chain which carried about 4000 blooms and attracted the attention of the ladies in particular.

The collection of berried shrubs and twigs showing bright colors, although an innovation in a flower show, attracted considerable attention, being in the nature of an educational exhibit.

The best of feeling prevails among the Buffalo florists and it is prophesied that a large Flower Show will be held in Buffalo next year.

GEORGE E. MCCLURE,  
Chairman Press Com.

## **LOCAL FLOWER SHOWS.**

**Albany, Ore.**—At the Albany Apple Fair, held last month, the exhibit of outdoor plants was pronounced very unusual for the season. Prof. Peck of the Oregon Agricultural College was the judge.

**San Francisco, Cal.**—Julius Epstein's exhibit of orchids and other choice flowers was one of the most attractive features at the opening of the new wing of the St. Francis Hotel. P. G. Murray is in charge of this stand.

**Minneapolis, Minn.**—The chrysanthemum show at the Park greenhouses closed on Sunday, Nov. 15. On Monday everything was cut, cleaned out and sent to the different hospitals and other charitable organizations and institutions.

**Alexandria, La.**—The Central Louisiana Floral Society held their first flower show on Nov. 19. Manager Letten is to be congratulated on the fine exhibits he brought together. P. M. Paley, manager for J. W. Vestal & Sons of Little Rock, was one of the judges.

## **COMING EVENTS.**

**Kansas City, Mo.**—State Horticultural Society, annual meeting, December 8, 9.

**Brownsville, Tex.** State Horticultural Society, Nut Growers' Association and Nurserymen's Association, mid winter meeting, Jan. 13, 14, 1909.

# HORTICULTURE

VOL. VIII

DECEMBER 5, 1908

NO. 23

PUBLISHED WEEKLY BY

**HORTICULTURE PUBLISHING CO.**  
**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass. under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER ILLUSTRATION—Young Apple Trees.	
GRAPES UNDER GLASS—Robert E. Ballantyne— Illustrated	737
BRITISH HOHTICULTURE—W. H. Adsett.....	738
BUFFALO'S UNIQUE FLOWER SHOW.....	739
AFTER ADJOURNMENT .....	741
CARE OF STRAWBERRIES IN WINTER—Wilfrid Wheeler .....	741
GROWING ASPARAGUS PLUMOSUS FROM FRONDS—W. R. Pierson.....	741
DEFORMED BRIDE ROSES—Alex. Montgomery....	741
NEWS OF THE CLUBS AND SOCIETIES:	
Massachusetts Horticultural Society—Gardeners' and Florists' Club of Baltimore—Society of American Florists—Florists' Club of Washington —Chrysanthemum Society of America—The Min- nesota State Florists Association—New Orleans Horticultural Society.....	742
New York and New Jersey Association of Plant Growers—Los Angeles Florist Club—Florist Club of Philadelphia—American Carnation Society— Club and Society Notes.....	743
OBITUARY—Louis E. Marquisee, portrait—John Archer—A. L. Black.....	744
THE KING OF FRUITS.....	744
A SCHULTHEIS CHRISTMAS SPREAD Illustrated	746
SEED TRADE.....	748
Notes on the Next Crop of Bermuda Onion Seed Grown in Teneriffe.....	748
OF INTEREST TO RETAIL FLORISTS:	
New Retail Flower Store—Steamer Departures— Business Changes .....	750
FLOWER MARKET REPORTS:	
Baltimore, Boston, Chicago, Philadelphia, Twin Cities .....	753
Detroit, New York, Washington.....	755
MISCELLANEOUS:	
Local Flower Shows.....	739
Coming Events.....	739
Dianthus Napoleon III.—G. C. W.....	741
Eliwanger & Barry's Fruit Exhibit at New York State Fair—Illustrated.....	743
Philadelphia Notes .....	746
In Bankruptcy.....	751
News Notes .....	751
Personal .....	751
New Heating Apparatus.....	762

prise as marking the beginning of a new epoch in the culture and marketing of the king of fruits.

Our cover illustration speaks for itself.

A national industry Even the plantsman used to handling exclusively the choicest of Nature's purely ornamental product will look a second

time at the picture and acknowledge the beauty of the subject. We are glad to present it to our readers as showing what our western friends have on which to base their faith in the greatness of their horticultural future. But, fortunately for us all, the apple in its many varieties cares nothing for latitude and not much about longitude and the picture reproduced in our illustration is not an impossibility in any part of our country excepting perhaps the extreme southern portion. At the recent conference of New England governors at Boston Prof. John Craig spoke of "New England's Opportunity in Orchards" and did not hesitate to say that the people of this section were culpably neglectful of the opportunities at hand for profitable fruit growing on their thousands of acres of idle land well adapted to the production of the finest apples in the world. Western growers, however, have nothing to fear from any eastern awakening, however great, for, as has been well said, it will, in fact, never be possible to produce the quantity of first-class apples requisite to meet the world-wide demand.

Tariff revision Among seedsmen, nurserymen and florists, wherever an expression of preference has been elicited, there appears to

be a general sentiment in favor of specific duties in place of the ad valorem tariff on horticultural products which has been a source of continual vexation, annoyance and misunderstanding. The nurserymen have been represented by an influential committee before the Ways and Means Committee at the hearing on tariff revision and the seedsmen are in readiness to present their views. Whether the S. A. F. committee has taken any action we do not know but at the various conventions of that body the topic has been frequently aired and the present opportunity to go on record where it may amount to something should not be neglected. So far as we have been able to judge there is no clamor for abolition of duties where such exist or even for reduction. The amount collected under a specific tax may be as large in the aggregate but what the importer desires to escape is the hardship of delays, penalties and other burdens incident to the operation of the present system and we have reason to believe that the change to specific duties would be equally welcomed by the collector's and appraiser's department. A tax of one dollar a hundred on lilies, two dollars on tulips and four on hyacinths a thousand, for instance, while not likely to reduce the sum total of amount collected would eliminate most of the hardships and abuses that have been complained of under the present tariff. Verification of count would be the only formality required and delays in delivery would be at an end. The immediate effect of such an arrangement would be to promote the importation of a better quality of goods and discourage the bringing in of inferior grades of stock. If, on top of this reform we could have a substantial license fee collected from every itinerant salesman sent over here, thus compelling foreign houses to maintain resident representatives in this country, the bulb and nursery stock business would be placed on a much more satisfactory footing and we believe the foreign dealers would also find it more profitable in the end.

We congratulate our far away western fellow horticulturists on the splendid enterprise and enthusiasm evidenced in the preparations for the great Apple Exposition which opens at Spokane, Washington, next week. Every feature is planned on a scale befitting the occasion and we have no doubt the response from far and near will be of a character to stamp this great enter-

The national  
apple show



## AFTER ADJOURNMENT.

Cumberland, Me.—A cow got into the greenhouse of C. H. Jenkins and nipped the tops from several hundred carnation plants.—Press Dispatch.

We are sorry for Mr. Jenkins, but are compelled to listen while somebody suggests that that cow ought to give good milk for a "pink tea."

Settle up and insist upon your customers settling up. Shorter credits and a closer approach to cash transactions is what we all most need. Did you ever experience the joy of turning in at night with the knowledge that you owe no man a cent? Delightful sensation, is it not?

The San Francisco Call, in referring to a recent stereopticon lecture in Berkeley by Luther Burbank, says that the "wizard horticulturist" now prefers to be known as the "master plant architect." We don't suppose anybody will have any objection. In its account of this same lecture the Berkeley Gazette, referring to the pictures shown on the screen, tells us that: "Two of the most interesting productions in the flower line were a pink poppy. The pink was made by crossing white Japanese chrysanthemum with an American carnation, which blooms snow white in the morning and turns pink in the sun by noon. The red poppy, the brightest known, was produced by crossing two species of white poppies."

That's "go in' some!"

## LEST YOU FORGET.

Just a word of advice: Whatever department of horticultural work you may be interested in, you'll find offered in our advertising columns about anything and everything in the way of supplies or equipment which you may require. Look in the Buyers' Directory lists, and if you can't find what you want please write to us and we will supply the information. If you have anything to sell which is of value to the profession,

## Please Remember

that an advertisement in HORTICULTURE will carry your offer to the best buyers in every section of the country.

Keep posted on every line of advancement in the business you are following. An intelligent public—growing more intelligent every day in horticultural matters—must be met with superior intelligence, or you must go on the defensive, and that settles you. A salesman who cannot answer correctly any reasonable question concerning the goods he is offering is at a disadvantage and is a losing proposition for the house employing him.

## AN APPROVAL.

Your paper is excellent, getting better all the time. You have a very bright future before you.

WILLIAM C. BARRY.

Rochester, N. Y., Nov., 1908.

The Albany florists report a large Thanksgiving trade chrysanthemums and violets having the largest demand.

## CARE OF STRAWBERRIES IN WINTER.

HORTICULTURE Pub. Co.:

Gentlemen: I would like to know the best way to care for strawberry plants in the winter. We have covered them lightly with straw, then thickly with corn stalks, but it seems to me these stalks are too heavy. Will you or some reader advise me of the right protection to insure strong plants? I will watch your paper for an answer.

Yours truly,

E. C.

In answer to your inquiry about the winter protection of strawberry plants I will submit the following:

If the plants have been grown in hills more care in placing the cover will be necessary than when the plants are grown in matted rows.

For protection in hills begin before the ground is frozen and place, with your hands, about the plants a light covering of dry leaves, being careful that these do not come over the crown of the plant, for leaves are too close a covering for the entire plant, but are excellent as a ground cover to prevent the heaving of the ground in the spring.

This leaf covering is best done the last week in October. About this time (Nov. 20), when the ground is frozen slightly, shake a light covering of straw over the plants, being sure that the leaves are visible through the straw. The straw can be kept in place with brush or light trash wood; don't put boards over the plants.

For the protection of plants grown in matted rows only the straw will be necessary, for the large number of plants that cover the ground will serve the same use that the leaves do in the hill protection. Cornstalks alone on plants grown in matted rows are all right if they are not put on too thick, but the tendency in all covering for the strawberry is to get on too much. The idea that you should have in mind is not to keep the frost out of the ground, but rather keep it in the ground after it is once there.

If there is any chance of water standing on the bed, this must be removed before the plants are covered, and the simplest way that I know of is to dig a few holes in the low part of the ground about three feet deep, filling these holes with leaves; the soil at the bottom of these holes will not freeze and will serve to conduct all surface water away just as a sewer drain on the street does.

The above remarks apply to the protection of the strawberry in eastern Massachusetts, where we do not have an abundance of snow and where we cannot depend on the snow staying when it does come. If snow can be depended upon to stay the winter through, the lighter the covering the better. But it must be borne in mind that the greatest damage is likely to occur in the early spring when we get cold nights and warm days, when the freezing and thawing of the ground causes it to crack open and expose the roots of the plants to drying winds and sun.

WILFRID WHEELER.

Concord, Mass.

A blue verbenas at the Dillon Greenhouses, Bloomsburg, Pa., has been given the name of Mrs. William Taft.

## GROWING ASPARAGUS PLUMOSUS FOR FRONDS.

Editor HORTICULTURE:—I have some *Asparagus plumosus* planted in a bench out of 3-in. pots last May; the benches hold about five inches of soil. Would you advise planting in young stock out of 2-inch pots next spring or carrying the old stock on? If so, would you kindly let me know through your valuable columns the treatment of the old stock. If you think young stock would be better, when do you advise sowing seed? I want it for the fronds, not for strings, as I haven't head room enough for strings.

What is the difference between *Asparagus plumosus* and *Asparagus plumosus nanus*?  
A RETAILER.

Replying to inquiry, signed "A Retailer," regarding *Asparagus plumosus*, I would give as my opinion the following:

*Asparagus plumosus nanus* and *Asparagus plumosus*, as far as I know, differ very little, *Nanus* being tacked on to a variety of *Asparagus plumosus* which is supposed to come more dwarf than the original.

As to growing this stock for fronds, I should advise replanting from 4-inch pots, if possible, early in the spring, if grown in benches, while in the solid beds I would not hesitate to leave the old stock in, provided it were healthy and in good condition. Seed can be secured at any time, and if plants are wanted for next spring's planting, they should be established in pots before this.

W. R. PIERSON.

Cromwell, Conn.

## DEFORMED BRIDE ROSES.

Editor of HORTICULTURE:

Dear Sir,—Would you kindly oblige by informing me through HORTICULTURE the cause of the inclosed Bride roses being deformed? The stem and foliage are as good as can be expected. Quite a number of the buds come as you will see the inclosed.

Respectfully,

D.

The Bride roses submitted for an opinion as to the reason for their coming deformed were carefully examined, and although without any information as to how they had been fed, I would say that it looked to me simply a case of over-feeding with a fertilizer having too much nitrogen for a Bride rose. At this season of the year Clay's, or some of the blood fertilizers on the market, would be likely to have the effect on Bride roses seen in the sample to hand.

ALEX. MONTGOMERY.

## DIANTHUS NAPOLEON III.

We have had occasion to mention this hardy pink before, but a good thing can never be spoken of too much, and the longer we know this the more we like it. It was first brought into prominence in this country by Dreer, and we are told that the demand is constantly increasing. From June until frost the plants are covered with a mass of crimson flowers, double, finely formed and delightfully clove-scented. The plants average about 10 in. in height, very compact and commence to bloom when quite small.

G. C. W.

# NEWS OF THE CLUBS AND SOCIETIES

## MASSACHUSETTS HORTICULTURAL SOCIETY.

The Committee on Gardens of the Massachusetts Horticultural Society announces the following list of awards made to noteworthy estates and gardens for the current year:

Special prizes for estates of one to three acres: First, Henry A. Belcher, Randolph, \$50.00; second, Louis P. Hollander, Marblehead Neck, \$25.00.

For the best flower garden: Second, Mrs. James McKissock, West Newton, \$10.00. For the best garden of hardy roses: First, W. J. Clemson, Taunton (J. O. Christenson, gardener), \$15.00; second, Peter B. Bradley, Hingham (Oscar Hay, gardener), \$10.00. For the best collection or garden of peonies: First, E. J. Shaylor, Weston, \$30.00; second, Mrs. James McKissock, West Newton, \$20.00.

Special awards were made to Miss E. M. Tower, Lexington (Otto Strasenburg, gardener), for garden of summer and fall-flowering plants, a silver medal and \$10.00; to Peter B. Bradley, of Hingham (Oscar Hay, gardener), for vegetable garden, silver medal and \$10.00; to E. J. Shaylor, Weston, for superior collection of peonies, silver medal; and to James Garthley, of Fairhaven, \$10.00, for superior cultivation of muskmelons.

The estate of George E. Barnard, of Ipswich, was favorably reported for the first of the three years' test required by the Hunnewell Triennial Premium.

The committee through its chairman, Charles W. Parker, reports a constantly increasing interest in the horticultural improvement and development of suburban and rural estates of both large and small areas.

WM. P. RICH, Secretary.

## GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

The semi-monthly meeting of this club was held on Monday, Nov. 23rd. Subject of the evening, "The Care of Ornamental Plants," by Professor Thomas B. Symons, state entomologist. The subject was very well handled but nothing new was adduced.

Since the advent of "Gishurst Compound" a goodly number of compounds have been put on the market, some of which have proven fairly good; the others it is good not to mention. All horticulturists are agreed upon this point, that whatever may be used as a germicide, insecticide or any other cide, the three potential factors for success are practical skill, brains and energy. Eternal vigilance at every point on every line is the motto for all horticulturists, and we will yet feel greatly indebted to him who shall invent, or compound, or discover something that will destroy the parasite without injury to the host.

Our meetings are held on the second and fourth Mondays of the month at 8 P. M. If any of the craft visiting Baltimore on these dates will kindly call upon us we shall appreciate it. The meeting place is in the Florists Exchange Building, Franklin and St. Paul streets.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### Registration of Chrysanthemum.

Elmer D. Smith & Co., Adrian, Mich., offer for registration Chrysanthemum President Taft; Japanese incurved, pure white, height 5 ft., maturing Oct. 25th. Best bud Aug. 30th, but double from later ones. Size 7-12 inches. Parentage Col. D. Appleton x Fidelity.

Use of name authorized by President-elect Taft. Objection to the use of this name should be filed with the undersigned within twenty days, otherwise the registry will proceed.

W. N. RUDD, Secretary.

December 1st, 1908.

### National Flower Show.

Treasurer Bertermann has begun to pay off the cash premiums for which the National Flower Show Committee is liable, the total amounting to \$5,379. Letters notifying the donors of special prizes as to how their prizes were awarded have been prepared by the secretary and mailed. Except in those cases where the prize has already been placed in the hands of the committee, special prizes will be delivered direct to the winners by the donors.

At a meeting of the executive committee in the Kaiserhof Hotel it was directed that Treasurer Bertermann should return at once to all guarantors the money paid in by them. Chairman Kasting was requested to call a meeting at Indianapolis during the Carnation Society convention in January for the final settlement of the show's affairs. It is probable that a dividend can be paid to the guarantors.

J. H. BURDETT, Sec'y.

Dec. 1, 1908.

## FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of the club was held at Eagles' Hall on the evening of Dec. 1st with President Kramer in the chair. The recent flower show was reported upon as quite a financial success. Upon motion of Wm. F. Gude a vote of thanks was tendered the out-of-town exhibitors. Jas. A. Patterson of Cincinnati, O., sent a plant of his new begonia, President Taft, to be shown at the meeting and afterward presented to Wm. R. Smith of Botanic Gardens. An invitation was read from J. J. Perry of Baltimore, asking Captain Shaffer to bring his club over on Dec. 2 to the flower show in that city and incidentally to bowl a few games. I. Rosnosky of H. F. Michell Co., Philadelphia, was a visitor.

## CHRYSANTHEMUM SOCIETY OF AMERICA.

### Work of Committees—Report on New Chrysanthemums.

Sport of Helen Frick; Jap. inc. White. Exhibited at New York, Nov. 21, 1908, by Paul Fischer, Wood Ridge, N. J. Scaled 85 points commercial. Exhibited at Philadelphia, Nov. 27, 1908; scaled 85 points commercial.

DAVID FRASER, Sec'y.

## THE MINNESOTA STATE FLORISTS' ASSOCIATION.

The monthly meeting of this association was well attended. Messrs. Hastings of A. H. Hews & Co., Cambridge, Mass.; Augsburg, Peoria, Ill.; Underwood, Lake City; Cashman and Hart from the Clinton Falls Nursery Co., Owatonna; and Kinsman from Austin were visitors in the city and attended the meeting. Clinton Falls Nursery Co. exhibited Killarney, Chautenay, Richmond, Rhea Reid roses and Princess of Wales violets, for which they received honorable mention; also Imperial carnations, of which they grow more than of any other carnation, for which they received a diploma. Alois Frey, Lincoln Park, Chicago, sent some of his new single seedling chrysanthemums; certificate of merit. A. J. Smith, Lakewood Cemetery, received honorable mention for cyclamen and L. Boeglin, Minneapolis Park Greenhouses, a diploma for chrysanthemums. The committee on State Fair reported progress. Mr. Underwood of the Jewell Nursery, Lake City, member of the State Fair Board, gave the society encouragement and told them to go ahead in the matter of securing more space and better premiums. T. E. Cashman member of the Minnesota Legislature, promised the society his hearty support in securing financial aid for a horticultural building at the Fair grounds. A. J. Smith read a very interesting paper on chrysanthemums, giving their history as far back as traceable.

## NEW ORLEANS HORTICULTURAL SOCIETY.

We are in receipt of the following further particulars of the exhibition held in Washington Artillery Hall, November 12 to 15:

There were six entries in the classes for floral work. On table decoration, Jos. A. Schindler & Co. won first and Metairie Nursery Co., second. The winning table was arranged with a plateau of yellow chrysanthemums, in which stood a tall slender vase filled with yellow chrysanthemums and Asparagus plumosus. Corsage bouquets and boutonnières were of yellow chrysanthemums also, and the table cloth was trimmed with bows of yellow ribbon and adiantum. An electric light dome with four yellow lights was suspended above, lending a beautiful effect. The judges in this department were Mrs. Carrie Rehm, Mrs. Navra and Mrs. O. H. Simpson. For floral funeral design (lyre on stand), Jos. A. Schindler & Co. were first, Metairie Ridge Nursery Co., second. Basket of chrysanthemums, Metairie Ridge, first; Schindler & Son, second. Basket, other than chrysanthemums, Schindler & Co., first; C. W. Eichling, second. Hand bouquet of chrysanthemums, Schindler & Co., first; Metairie Ridge Nursery, second. Corsage bouquet, C. W. Eichling, first; Schindler & Co., second.

We regret to learn that the show was not so successful financially as it merited.



ELLWANGER & BARRY'S FRUIT EXHIBIT AT NEW YORK STATE FAIR, SYRACUSE, N. Y., SEPTEMBER, 1908

#### NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

The annual meeting of this Association was held on Tuesday evening, December 1st, at the office of William H. Siebrecht, Jr., the secretary, 277 Broadway, New York. The following officers were elected and installed for the coming year: President, Julius Roehrs, Jr., Rutherford, N. J.; vice-president, A. L. Miller, Brooklyn; treasurer, Herman C. Steinhoff, West Hoboken, N. J.; secretary, William H. Siebrecht, Jr., New York; directors, John Scott, Brooklyn; Herman Schoelzel, New Durham, N. J.; Anton Schultheis, College Point, L. I.; Julius Roehrs, Sr., Rutherford, N. J.; Louis Dupuy, Whitestone, L. I.; Alfred Winnefeld, Hackensack, N. J. Among the other business transacted in the course of the meeting a committee of three was appointed with full power to make arrangements for a banquet to be given by the Association during the month of January, 1909. The committee consists of Messrs. A. L. Miller, John Scott and Herman Schoelzel, and judging from the results of the efforts of these gentlemen, who also acted upon the committee which arranged the Association's clam bake last September, it is expected that this banquet will be a grand affair. This Plant Growers' Association has now been in existence two years, and during that time it has not only served to promote the business interests of its members, but has also succeeded in establishing more friendly intercourse and feeling among the members

#### LOS ANGELES FLORIST CLUB.

The regular meeting of the Los Angeles Florist Club was held at Caledonian Hall, Nov. 14th, Vice-president Houghton occupying the chair. This was one of the most successful and enjoyable events of the season. The members were gathered together florists, nurserymen and gardeners from all over the city. An invitation had been extended to the Pasadena Gardeners' Association which was accepted, and almost the entire section turned out in a body. There were addresses and committee reports galore, all of which brought out abundant oratory and songs. The various experiences of florist and nurserymen in California and other parts were talked of. At the conclusion refreshments were served and a most enjoyable time was brought to an end.

H. E. GEORGE.

#### FLORISTS' CLUB OF PHILADELPHIA.

Charles H. Fox gave an entertaining talk at the last monthly meeting of the above named club, his theme being "Salt on the tail of an idea." A smoker followed the business meeting, at which much local and long distance talent entertained the members. Julius Roehrs of Rutherford, N. J., and W. J. Stewart of Boston were among the out-of-town visitors. A splendid vase of White Killarney rose was exhibited by the Pennock-Meehan Co.

#### AMERICAN CARNATION SOCIETY.

##### Carnation Registered.

By Frank Elsner, Great Barrington, Mass.—"William Stanley" parentage M. A. Patten and Harry Fenn, color crimson; size 3 to 3 1/2 inches; fringed; full centre; habit vigorous grower

continuous bloomer, not diseased in any form; stem long and strong; calyx never bursts.

ALBERT M. HERR.

Lancaster, Pa.

#### CLUB AND SOCIETY NOTES.

The convention of the California Fruit Growers' Association was scheduled for Dec. 1-5, at Sacramento.

Cards, bowling, dancing, etc., were indulged in at the meeting of the Cleveland (O.) Florist Club on Nov. 16, when the ladies were entertained.

At the annual meeting of the Monmouth County Board of Agriculture held at Freehold, N. J., Nov. 21, D. Howard Jones was elected president.

Thomas W. Lawson and I. H. Hatch were elected president and secretary respectively of the Marshfield (Mass.) Agricultural and Horticultural Society at their annual meeting on Nov. 17.

The Central Illinois Horticultural Society at its recent convention at Hoopeson elected A. M. Augustine, president; A. V. Schermerhorn, vice-president; J. B. Burrows, of Decatur, secretary.

The Indiana Horticultural Society has recently issued a neat illustrated pamphlet of thirty-two pages setting forth the great inducements presented by Indiana to persons who want to grow fruit or truck, or capitalists who wish to make a safe investment.

The El Paso County Horticultural Society met on Nov. 17 in Colorado Springs, Colo., and elected Gen. William J. Palmer honorary president, and the following board of officers: President, J. F. Humphrey; vice-presidents, Dr. Arnold and E. L. Rolston; secretary, Fred F. Horn.



## SOMETHING TO GROW OVER

The Best Christmas Novelty Ever Offered

# POINSETTIAS

With Foliage as Natural as the REAL

This Poinsettia is an Absolute Reproduction of the Natural. Five Sizes.

CHRISTMAS FOLDER AND PRICE LIST READY NOW.

**PITTSBURG CUT FLOWER CO., Ltd.**

222 Oliver Ave., PITTSBURG, PA.



### OBITUARY.

Louis E. Marquisee.

Louis E. Marquisee, the widely known florist and carnation specialist, died at his home in Syracuse, N. Y., on the night of Nov. 24. A year ago Mr. Marquisee was hurt in a fall from his bicycle and has been in poor health ever since. He had a partial stroke of paralysis on Nov. 11, which was mentioned at the time in these columns,



LOUIS E. MARQUISEE

and he failed gradually until his death. He was a native of Utica, but lived in Syracuse since 1869, the year of his marriage. He had been interested in the cloak and millinery business for many years, but in 1887 went into the florist business, believing it would benefit his health. His widow and one daughter survive him.

Mr. Marquisee was specially interested in carnations, and two varieties raised by him attained considerable fame—The Marquis and Flamingo. Another, the Marchioness, is a promising novelty, and will be introduced in accordance with his instructions this season by Mrs. Marquisee, who will continue his business.

Mr. Marquisee was universally respected by all classes of his townsmen and by the florist trade. The American Carnation Society loses a loyal member and entertaining companion. At

its annual banquets and other social affairs he was always in request, for he was a clever story teller and had an unlimited supply on hand.

The funeral on Nov. 27 was largely attended, and the rooms were filled with beautiful flowers. He was buried in Utica.

John Archer.

I regret to announce the death of Mr. John Archer, who died at his home in Groton, Ct., Thanksgiving night, of Bright's disease.

Mr. Archer was born in Edinburgh, Scotland, 1855. He worked for the Shady Hill Nursery Co., of Boston, for about nine years. He also had charge of Mrs. Emery's place in Milton, Mass., for a long time. Also of Geo. Draper's place at Hopedale, Mass. For the last five years he had been working on the Morton F. Plant Estate, at Groton, Ct., where he had charge of the construction work, planting, grading, etc.

He was a member of Union Lodge, No. 21, F. & A. M., also Donald McLeod Lodge of Scottish Clans, Hyde Park, Mass. He was buried from his home, Sunday, November 29th, with full Masonic honors.

THOS. W. HEAD.

A. L. Black.

Andrew L. Black, a retail florist in Baltimore, died Nov. 17, aged 67.

### PRIZE APPLES AT PHILADELPHIA.

We have seen many apple exhibits but never anything so eye-opening as the Hallowell display in Philadelphia last week. 266 bushel boxes were shown, comprising eighty of the best commercial varieties. The size and perfection of the individual fruit were remarkable—showing that the Hood River district in the state of Oregon is an apple country par excellence. Part of the exhibit will be sent to London, Eng., and part to New York. The exhibit was held in the Lippincott building and created great excitement among the public. The proprietors of the show did a land office business. They deserved encouragement for their enterprise.

The Economy Bracket made by Buxton & Allard, Nashua, N. H., has been adopted for general use in the greenhouses of the Department of Agriculture at Washington, and by many large plant growers all over the country.

### THE KING OF FRUITS.

Great Exposition at Spokane.

Thousands of exhibits are being gathered together from various parts of the United States and its dependencies, England and her colonies, Germany, France, Denmark and Japan for the National Apple Show in Spokane, December 7 to 12, when the foremost experts of the country, acting as judges, will award premiums amounting to \$35,000 to the growers of the best commercial apples entered in the numerous competitions, which are open to the world.

The primary purposes of this exposition, the first of its kind and scope in the world, are to show the value of the apple as a food and fruit, to demonstrate its manifold uses and by-products, and stimulate an industry which means millions of dollars more annually to the growers and handlers on this continent, thus creating a greater demand by reason of the increased consumption, as well as encouraging the growing of cleaner and better fruit and more of it.

President Roosevelt is enthusiastic in his endorsement of the National Apple Show, as are the heads of the agricultural departments of the United States, Canada and various countries in Europe, and it is also approved by the leading state and provincial horticultural societies and growers' and shippers' associations of North America, and in practically every district in which apples are grown.

The exposition is designed to be one of the most important of the movements that have originated in the Northwest in the last few years. One of the important meetings in connection with it is the fifth annual convention of the Washington State Horticultural Association, of which H. M. Gilbert of North Yakima, is president. There will be several widely known speakers at the meeting, which will occupy four days, December 7 to 10.

The Country Life commission, headed by Prof. L. H. Bailey of Ithaca, N. Y., named by President Roosevelt, will also hold a session in Spokane during the exposition. Besides this party there will be federal officials, growers, irrigationists and representatives of commission houses from all over the country.

Radical changes are necessary in the culture of apples on this continent. There must be betterment of the general conditions of the commercial

Buy  
Your

# WHITE KILLARNEY

DIRECT FROM THE PRODUCERS

**WABAN ROSE CONSERVATORIES, Natick, Mass.**

It has been carefully grown and only the very best wood selected for propagating; the result of this treatment is seen in the remarkable vigor of the plants now growing in our greenhouses.

**PLACE YOUR ORDER EARLY WITH US.**

Own roots, delivery after February 15, 1909, \$5.00 per dozen plants, \$30.00 per 100, \$70.00 per 250, \$125.00 per 500, \$250.00 per 1000, \$562.50 per 2500, \$1000.00 per 5000. Grafted stock, for delivery after March 1, 1909, \$5.00 per hundred additional.

orchards, else the United States and Canada will be forced in a few years to import apples instead of exporting them. Just how important this is may be gathered from the statement that if it had not been for the enormous crops in the orchards of the Pacific and Northwestern states and provinces this year, an apple famine would have resulted.

Many of the middle, western and eastern states reported small yields this season, due to failures in numerous instances, but generally because of pests. Orchards have been neglected and in scores of places the trees have been permitted to die because of the lack of even ordinary attention, while, again, in others the growers did not know how to combat insects and tree diseases. It is to improve these conditions, by making investigations and suggesting remedies to bring about more satisfactory results, that the growers have been invited to come to Spokane.

Those familiar with the apple industry will recall that in 1896 the total product of the crop of the country was 69,070,000 barrels or 177,675,000 bushels. Since then hundreds of thousands of acres have been added and methods of fruit growing have improved, yet the government reports show that the aggregate crop in all the states in the Union was not more than 25,000,000 barrels or 62,500,000 bushels in 1908. The necessity for greater efforts and for the eliminating of half-heartedness in this important industry must be apparent, and should appeal to every one having any connection with apple growing.

The apple growing industry is a substantial one; in fact, few enterprises offer surer or more attractive profits or more healthful and pleasant employment. A small investment will secure a beginning, and reliable literature can be had readily from the department of agriculture and the numerous excellent horticultural and farm journals published in America.

There will always be markets for apples. There never can be an overproduction of first class stock. It is, in fact, impossible at the present time to produce the quantity of good apples requisite to meet the demand. This is evidenced by the fact that England, Germany, France, Denmark, Australia and the orient are already drawing upon the orchards in Washington, Idaho, Oregon and British Columbia.

**NEW**

## BAMBOO STICKS

**NEW**

COLORED

**GREEN**

Far superior to wooden sticks. **SLENDER, DURABLE AND CHEAP.** Sizes 1½, 2, 3 and 4 feet. Samples Free of Charge with Quotations.

**NEW****The Yokohama Nursery Co.****31 Barclay St., NEW YORK****NEW**

When this outside trade is firmly established, the demands upon the growers will be largely increased. This means more new orchards and better care of the older ones.

That the apple is the national fruit cannot be questioned, when in hotels, restaurants, resorts, trains, steamers and homes this delicious fruit is served the year around, but while there are apples everywhere, apparently, the supply is not sufficient, and as a result there must be many places where an apple is regarded as more of a luxury than the commodity it should be. No fruit is capable of being transformed into so many by-products and the highest medical authorities declare that none is more wholesome or healthful.

Experienced and ambitious apple growers in the Northwest and elsewhere see more attraction in the National Apple Show than the magnificent premiums offered by the management. They believe it will prove its greatest success from an educational view point, and without doubt the most important in all history so far as apple culture is concerned.

## Lily of the Valley.

Four-year old clumps grown from Imported Berlin pips, splendid for out of doors or late forcing. About twenty pips per clump. Fall or Spring delivery. Price per 1,000 plus, \$4.00; per 10,000 \$25.00. per 100,000 \$200.00. Cash with order.

**W. A. FINGER, Hicksville, Long Island.**

## ORCHIDS

Our latest importations have been, Cattleya Chrysotoxa, Cattleya Gaskelliana, Cattleya Gigas, (Hardyana district), Phalaenopsis Amabilis Schilleriana and others. We will receive in a short time, Cattleya Dowiana, Miltonia Vexillaria and others.

**CARRILLO & BALDWIN  
SECAUCUS, N. J.**

## ORCHIDS

We have some handsome early *Percivaliana* which we positively guarantee to bloom between now and Christmas, as the buds are visible on the sheath. No less than two new strong growths on each plant. The flowers will more than repay purchase of plant. Plants with 7 to 10 bulbs \$1.00 each; from 10 to 15 bulbs \$1.25.

**ORDONEZ BROS., Madison, N. J.**

## ORCHIDS Freshly Imported

We offer a superb lot of *Cattleya gigas Sanderiana* in finest condition; also *C. Bogotensis*, *C. Schroderae*, *C. labiata*, *C. gigas Hardyana* type and *Miltonia vexillaria*.

**LAGER & HURRELL, Summit, N. J.**

## ORCHIDS

*Largest Importers, Exporters, Growers and Hybridists in the World*

**Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY**

## IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerulea*, *Cattleya Trianae*, *Cattleya gigas Sanderiana*, *Cattleya Schroderae*, *Oncidium varicosum*.

**JULIUS ROEHRS CO., Rutherford, N. J.**

## ORCHIDS

**Orchid Baskets and Peat**  
*Write for Prices*

**JOSEPH A. MANDA**  
191 Valley Road - WEST ORANGE, N. J.

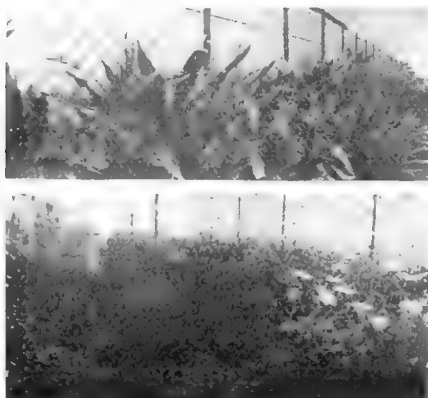
In ordering goods please add  
"I saw it in HORTICULTURE."



## A Schultheis Christmas Spread



ERICAS

DRACENA TERMINALIS  
DAISIES

ORANGES

When the holidays draw near or when the breath of spring reminds one of the approach of Easter, the impulse to visit the plant growers' establishments becomes especially irresistible. In none of these does the caller, whether bent on buying or only seeing, receive a more cheery welcome than at the College Point place, a bit of which is shown in the accompanying pictures.

We have had occasion to write before of A. Schultheis, for "exceeding wise, fair-spoken, and persuading" is he, and not in the least reluctant to tell his brother growers either his experiences or his cultural deductions therefrom. At present every faculty is awake in the preparatory work for the Christmas plant demand which grows in extent from year to year. Among other things we find a house of Lorraine begonias and learn that the stocky symmetry and promise of an exceptional wealth of fresh bloom is due to the fact that every bud that showed previous to Nov. 1 was carefully picked off.

Ardisias are seen in several sizes, the largest heavily foliaged and loaded with fruit which has only begun to color, the lateness being caused by retarded blooming of imported plants. These will be kept in a temperature of from 75 to 80 degrees, as the ardisia should never get less than 60 degrees and will respond to plenty of pushing when in fruit. Seedlings of last April and May are in 3-inch pots and those from the year before are in good shape to bloom next April, which will give them abundant time to ripen up the fruit in time for Thanksgiving, and this, according to Mr. Schultheis, is the ideal method with ardisias.

In one cutleya house an unusual expedient for nabbing the destructive cutleya fly is seen in pieces of "tangle-foot" paper set up on sticks at intervals all through the house. The pest came in a batch of established plants purchased last season and has done much damage. Infested bolls are cut off and destroyed but the flies are constantly appearing, now starting, and plenty of them are captured by the

sticky paper which has been made more effective by a light sprinkling of sugar. Conversation on this topic drew from Mr. Schultheis some interesting information as to his methods of dealing with other insect pests. Following the experiments of a German professor he has found that water heated to a temperature of 135 to 140 deg. will kill all manner of insect's but will not harm the most delicate foliage. A barrel of tobacco water in which a cake of soap is dissolved is heated by steam until a floating thermometer indicates 140 degrees and the plants are successively dipped, precautions being taken meanwhile to maintain the temperature at the killing point. According to Mr. Schultheis, thrips, scale, aphides, "thousand legs," slugs and everything else in insect life that the hot water touches will be killed.

The display of small pot roses of the "Baby Rambler" type is of considerable extent this year and indicates that the introduction of Apple Blossom, Maman Levayasseur, and similar little gems has given an impetus to the production of blooming pot roses for Christmas. Mr. Schultheis' plan is to pot these plants from open ground in September. They are set in frames and sprinkled frequently until the stems show fresh plumpness. Air is then gradually given and the dormant plants will be in condition to be taken in as wanted throughout the winter. These are preferable to pot-grown plants and are as reliable for prompt crop of flowers as an azalea. If a batch misses sale when in bloom they can be cut back and another crop will follow along in a short time.

Among the new comers is a lot of camellias in 6-in. pots, each with from 15 to 25 buds. These are sure of appreciation at Christmas. Oranges are particularly handsome this year, being well covered with highly colored fruit. At present the house intended for lilac forcing is occupied with Bermuda lilies planted out in bench, with buds rapidly maturing. One house looks especially brilliant, being filled with poinsettias, dracenas and Jerusalem cherries.

Ericas, as is generally known, are a standard crop at this establishment. The great holiday favorite E. melanthera, called fragrans by Mr. Schultheis, is as good as over. Another named regemians, rather stubby in

habit, is slightly fragrant and blooms profusely in very small sizes, being very useful for jardiniere groups. Epacris alba is a "top-notch" among the choice tit-bits.

### PHILADELPHIA NOTES.

John Burton is about again after a three weeks' tussle with the grip.

Edward Reid started on a business trip South on the 30th ult., expecting to be gone a week.

C. H. Kahlert, of the Pennock Bros.' establishment, has been on the sick list with nervous rheumatism for the past six weeks but is now recovering slowly.

E. J. Fancourt, of the Pennock-Meehan Co., has returned from a ten weeks' western tour. He reports business very good in spots and in other places very bad, but with a rather hopeful feeling prevailing everywhere.

Edwin Lonsdale thinks the East should do its share for the National Flower Show. From all we have heard the East kept its end up very well at Chicago. That being the case, all HORTICULTURE'S other arguments advocating Chicago for the next national show would stand and are irrefutable. The idea of making another association out of the men who managed the great affair should be frowned on. The S. A. F. with valuable auxiliary help did it. Let matters stay that way. Concentrate your efforts. Don't scatter them.

### A CORRECTION.

Our Philadelphia representative has received the following communication from Howard M. Earle, of W. Atlee Burpee & Co.:

Dear Mr. Watson:

On Monday when I was at the office I called for a copy of my letter of the 10th to you and noted that I had erred in dictating same in stating that we were sending to England thousands of tons of sweet peas, whereas the statement should have read thousands of pounds. It is due the readers of your bright trade journal that this correction be made, for while my firm does a very heavy business in sweet peas there is no need to misrepresent it, intentionally or unintentionally.

Very truly yours,

HOWARD M. EARLE

The committee on tariff of the American Seed Trade Association held a session at Vaughan's Seed Store, New York City, on Dec. 2

## WE ARE HEADQUARTERS FOR THE **RIGHT STOCK OF WHITE KILLARNEY**

There are other white sports of Killarney, but the stock which we offer —  
the WABAN variety — is very much superior to all others

### **When You Buy From Us**

You get stock of the variety exhibited by us and the Waban Rose Conservatories this Fall, which was awarded the silver cup at the National Flower Show at Chicago, Silver Medal, Horticultural Society of New York, and Silver Medal, Massachusetts Horticultural Society, Boston. It undoubtedly is

### **The Best White Rose Ever Introduced**

Our attention was called to this rose last winter, and recognizing its great value as soon as we saw it, we purchased half the stock. We are growing it in large quantities in our Scarborough greenhouses, and will be glad to have any one interested in it visit us and see it growing.

The large growers, instantly recognizing its value, have placed orders for large quantities, so that our advance orders are very large, and the demand promises to be very heavy, judging by the number of orders already booked; but we have enough stock either potted or rooted to fill advance orders, so that we can still promise early delivery and first-class stock on all orders received now.

### **Order at Once to Ensure Early Delivery**

Orders will be filled in rotation as booked, delivery beginning March 1st, 1909.

**Strong Plants, 2 1-2 in. pots, own-root, \$30.00 per 100; 250 for \$70.00; 500 for \$125.00; 1000 for \$250.00**  
**Grafted Plants, \$5.00 per 100 additional**

FOR LIST OF SURPLUS BULBS, SEE ISSUE OF NOVEMBER 21st, PAGE 679

**F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK**

## **NEWPORT FAIRY**

THE ROSE OF THE FUTURE FOR IN AND  
OUT DOOR.

Fine, Strong, Field-Grown Stock  
3—4 Shoots 3—4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.**  
RUTHERFORD, N. J.

## **DAHLIAS.**

Now is the time to  
place your order for  
bulbs which will insure  
you getting named va-  
rieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N. J.

The Northboro Dahlia and  
Gladiolus Gardens  
Offer for Spring 1909

300 selected varieties of Dahlias and one and one half  
million large-flowering Gladioli in mixtures, in lots to  
suit. Send list of your wants. Catalogue free.

J. L. MOORE, Northboro, Mass.

## **PEACOCK'S NEW DAHLIAS**

SEND FOR LIST

**PEACOCK DAHLIA FARMS**  
Williamstown Junction, N. J.

## **HEACOCK'S KENTIAS**

Our stock consists of strong, healthy well established home grown plants.  
A visit to our greenhouses will convince you. 25 minutes from Philadelphia. 50 trains  
each way every day.

KENTIA BELMOREANA			
7-in. po.	6 to 7 leaves, 32 to 34 in. high.	....	2.50
7-	" 36 to 38 "	....	3.00
9 in. tub.	" 42 to 48 "	....	5.00
9-	" 50 to 60 "	....	7.50

MADE-UP KENTIA FORSTERIANA			
7-in. pot.	4 plants in pot, 34 to 36 in. high.	....	2.50
7-	" 36 to 38 "	....	3.00
9-in. tub.	" 42 to 48 "	....	5.00
9-	" 4 feet high, heavy.	....	6.00

We call attention to these KENTIAS as being of PARTICULARLY GOOD VALUE  
**JOSEPH HEACOCK COMPANY,** - - Wyncote, Pa.

## **— ASTER SEEDS AND MUMS —**

Write at once for our Aster List crop of 1908. Also submit us a List of your  
Mum wants and we will be pleased to quote.

In addition to our complete Commercial and Exhibition list we have SINGLES, POM-  
PONS, ANEMONES and HAIRY, both old and new.

Successors to  
**ELMER D. SMITH & CO.,** NATHAN SMITH & SON, ADRIAN, MICH.

## **GRAFTED ROSES**

Special Bargain Sale  
EXTRA FINE STOCK

Killarney, Carnot, Bride, Bridesmaid  
From 3-inch Pots.  
\$2.00 per doz. \$12.00 per 100. \$50.00 per 1000  
**RICHMOND, BRIDE, BRIDESMAID,**  
From 3-inch Pots. \$6.00 per 100. \$50.00 per 1000  
**WOOD BROTHERS, Fishkill, N.Y.**

Look through the Buyers' Directory  
and Ready Reference Guide. You  
will find some good offers there also.

## **Gladioli** fine named sorts; colors, seedlings and mixtures.

Iris Pallida Dalmatica, German and  
Japan Iris, Madeira Vines, Cinnamon Vines,  
Hyacinthus candicans, Spotted Callas.

Send for Price List.

**E. S. MILLER,**  
Wading River, Long Island, N. Y.

## **AMERICA**

The finest pink Gladiolus. Strong,  
extra size bulbs for forcing

\$5.00 per 100

**THOMAS J. OBERLIN**  
SINKING SPRING, - - PA.

## Seed Trade

If the many reports to hand are reliable, the quantity of sugar corn available for seed has been much overestimated, and particularly of the late varieties. It is only a short time since a certain concern was offering in printed circulars which were sent broadcast to country storekeepers and everyone else, Stowell's Evergreen at \$2.50 and Country Gentleman at \$2.25. Now the fact of offering sugar corn of these varieties at such prices to cross-roads buyers is of itself ridiculous, but in view of the actual conditions, and the known shortage, to offer them at such figures, and Country Gentleman 25c. per bushel under Stowell's Evergreen is positively reckless, and it would be surprising if any well balanced firm of seedsmen should patronize a concern so demoralizing to the trade.

The latest information is to the effect that Stowell's Evergreen, Country Gentleman, Zig Zag, Evergreen, Hickox, White Evergreen and Old Colony are going to be a surprise to most of the trade, while even the medium earlies and a few of the first earlies will not be nearly so abundant as seemed probable a few weeks ago.

Now whether these reports are well founded or not, the near future will disclose, but the writer ventures the opinion that the crop available for seed has been much overestimated, excepting possibly Stowell's Evergreen, of which there have been many independent lots grown in different parts of the country, the aggregate of which will greatly relieve the situation and materially affect prices.

It is a fact, though not generally appreciated, that many of the largest packers of corn have this year saved their own seed, particularly of the Stowell's, and will have nearly if not quite enough to satisfy their requirements. To illustrate this, the writer has in mind one packer who last year bought 1500 bushels of seed corn, who this year has seed to sell.

The above facts are worthy of careful consideration, to the end that the dealer may wisely direct his course to avoid the rock of inflated prices on the one hand, or of inadequate supplies on the other.

The closing of contracts for future seed peas has commenced, and the prices drawn fully bear out the predictions made in these columns some weeks ago. On canners' varieties the prices average about 50c. per bushel above last year's, while the advance on the general list will average from 25c. to 50c.

Reliable information to hand is to the effect that growers of peas and beans are having the most strenuous time in their experience to get acreage. A succession of bad crops has discouraged the farmers, and many of the growers, ignoring all the traditional courtesies of the business, have invaded one another's territories and resorted to the most unfair tactics to take away the acreage from the established growers. The result has been a bidding up of the prices to the farmers, and our rural gentlemen are smilingly awaiting the result. Of course, no one will begrudge the

farmers any reasonable increase in the prices they have been getting, but it has compelled the grower to advance his prices in turn. This has been resisted by the canners and seedsmen, but their protests will be vain, and they will have to pay it or take their chances on the market next fall, which in view of past experiences is not a very inviting prospect.

It is very generally admitted by growers that one of the reasons for the very short deliveries of peas, particularly of canner's sorts, was due to their being oversold, and this year there promises to be a repetition of the same conditions. Several of the growers are selling a part of their seed stock, while at the same time they are eagerly drumming for orders and turning nothing down. It is only fair to say, however, that the demand up to this time is less active, especially from the canners than a year ago. Many think that the demand for canned peas will become more active in the near future, and if there is a prospect of the present reserves being consumed before the next pack is ready, there will be an increased demand, not only for spot but future seed. It is to be hoped that this condition may be realized, for even though the demand may not be fully satisfied, it is a healthy state of business when the demand exceeds the supply.

There is to be a hearing given by the Ways and Means Committee of the House of Representatives to the seedsmen, and a committee of prominent seedsmen is planning to present the case of the trade to the tariff tinkers. Inquiry among leading members of the trade discloses anything but unanimity among them on the subject of the tariff. The great majority favors some sort of protection, but while the great majority seems to favor moderate duties, a minority advocate prohibitive taxes, while yet another small minority believe in absolute free trade in seeds. A number advocate specific duties on all seeds, while others favor standing pat on the duties of the present Dingley bill. It is not the purpose of the writer to discuss the different views, but it is believed that the great majority of seedsmen can be counted among the "stand patters." It is the general verdict that the present law has worked well, and while changes on a few items might be desirable, it is feared that any attempt to tinker with the law would render it less acceptable as a whole.

### NOTES ON THE NEXT CROP OF BERMUDA ONION SEED GROWN IN TENERIFFE.

About the month of July of every year the onions warehoused to be used afterwards for seedling suffer many changes before they are again taken down to be planted in September and October. One of the principal causes of the great percentage of useless onions found, is that the warehouses where they are hung up in tresses are not specially built for the purpose, and year after year growers have a large loss on this account, the variations depending on the summer being more or less warm.

Unfortunately this year, of the onions stored, about 40 to 50 per cent.

## Headquarters for Xmas Greens

Our stock is the choicest to be had.

Holly  
Holly Wreaths  
Laurel  
Lycopodium  
Mistletoe

Write for our special circular on Xmas Greens

**MICHELL** 1018 MARKET ST.  
PHILA., PA.

have turned out rotten or unfit to produce seeds, and this naturally means that, on this consideration alone, the next seed crop in 1909 will be curtailed to the same extent. Of course, the onions already in the ground are liable to many contingencies before the crop is gathered next fall, and even taking for granted that what is planted will be a better crop than the average, the seed will always be 50 per cent. less than what growers had estimated would be produced.

The American buyers who have not already sent their probable requirements to exporters here, will find it later on very difficult to make contracts, and I would advise those who have not done so to immediately write to their respective correspondents here about what quantity of seed they are likely to take.

The weather we are having is not at all propitious for the germination of the onions planted. It is very warm,

## TOBACCO

STEMS;—STRONG KIND  
100 lb. bale \$1.25

**W. ELLIOTT & SONS**  
42 VESEY STREET, NEW YORK.

**WIZARD BRAND** MANURE  
PULVERIZED SHEEP  
PULVERIZED HOG  
PULVERIZED CATTLE  
SHREDDED CATTLE



Cattle Manure in bags, shredded or pulverized. Sheep Manure kiln dried in barrels.

Best and safest manure for florists' and greenhouse use.

**Absolutely Pure  
No Waste  
No Danger**

Write for literature and quantity prices.

**THE PULVERIZED MANURE CO.**

31 Exchange Ave., Union Stock Yards, Chicago

## SHEEP MANURE

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**  
CLIFTON, N. J.

# Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**  
6 & 7 South Market Street  
BOSTON, MASS.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

## Aster Seed

100 pounds of "Temple's Aster Seed, mixed colors only. This seed was all grown from perfect flowering plants, 1908 crop. Price \$4.00 per pound in large lots.

H. B. WILLIAMS, Aster Specialist, Baldwinville, N. Y.

and we have not had yet any rainfall. This will in any case put backwards the gathering of the seed crop. American buyers should not be surprised if by the month of June or July higher prices are ruling for any reliable seed available.

I am glad to state that all careful growers and exporters to a man are doing their level best to improve the stock of Bermuda onion seeds, and the time when complaints and unpleasantness was rampant is a thing of the past, provided buyers get their supplies from any of the best firms in Tenerife. My own preaching on the subject has had a very salutary effect on the whole, and every one can look forward with confidence to a more satisfactory state of the trade both in Tenerife and in the United States.

I wish to make it clear to all American onion growers that my seeds can only be obtained through seedsmen and dealers in the United States, and never direct from me.

FREDERICO C. VARELA.  
Teneriffe, Canary Islands.

The Wholesale Seedsmen's League met at the Hardware Club in New York City on Thursday, December 3. There were present Messrs. Burnet Landreth, and B. Landreth, Jr., of Bristol, Pa.; Robert Buist, W. Atlee Burpee, W. P. Stokes, Philadelphia; J. C. Vaughan, Chicago; S. F. Willard, of Comstock, Ferre & Co., Wethersfield, Conn.; F. W. Bruggerhorf, New York; H. W. Wood, Richmond, Va.; C. H. Breck, Boston; Mr. Hunt of Jerome B. Rice Co., Cambridge, N. Y.

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

**LEONARD SEED CO.**

Growers and Wholesalers of Superior Garden Seeds  
**FLOWER SEEDS—ONION SETS . . . GET OUR PRICES**  
79 East Kinzie Street  
143 West Randolph Street **CHICAGO**

*Thorburn's  
Bulbs*

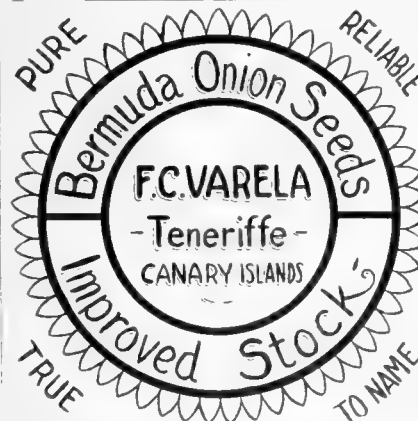
**LILY OF THE VALLEY PIPS**

Just received our unexcelled pips.

We also offer at reduced prices  
Paper White Grandiflorus Narcissus  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Multiflorum, 7/9  
Double Hyacinths in separate colors.

ASK FOR PRICES.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK



**NO COMPLAINTS AND —  
NO TROUBLE WITH MY SEEDS**

**SURPLUS CROP 1908**

**Sweet Pea and Onion Seed**

Stocks choice and prices reasonable  
Our Contract List for 1909 Crop is now Ready.

Correspondence Solicited

**A. J. PIETERS SEED CO.,**  
Hollister, Cal.

**BRIDGEMAN'S SEED WAREHOUSE**  
**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**STOCK SEED**  
FOR WINTER BLOOMING

Our strain of Double Branching Stocks is exceptionally true. About 9 1/2 Double Flowers.

In colors: 1/4 oz. .60 oz. . . . . \$4.00  
Pure White 1/4 " .75 " . . . . . 5.00

**H. E. FISKE SEED CO.**  
Faneuil Hall Square, BOSTON, MASS.

**Winter-flowering**

**SWEET PEA SEED**

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

**READY** For Prompt Shipment...

**FRENCH and DUTCH BULBS**

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**CAULIFLOWERS**  
**CABBAGE**  
LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

WE STILL HAVE IN HAND A FEW CASES OF

**Lilium Longiflorum**

JAPAN CROWN

7-9 size 70 per cent. Single Crown.  
Prices on Application.

**THOMAS J. GREY CO.**

32 So. Market St., BOSTON, MASS.

**QUALITY SEEDS**  
**BULBS**  
**PLANTS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
348 West 14th St., New York.

## To Florists Everywhere

Orders for Cut Flowers and Floral Decorations to be delivered anywhere in the Greater New York, may be placed with us with the certainty that your customers will be satisfied.

Telegraph, telephone or mail such orders to us and be sure that they will be filled promptly and as carefully as though you sent them yourself.

One third discount will be allowed on all orders thus placed with us by florists outside of the Greater New York.

## THE BLOSSOM

Bond and Livingston Sts.,  
BROOKLYN, N. Y.

C. C. TREPEL, Manager

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

232 Michigan Ave.  
CHICAGO

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Mafa

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET

Established 1873

Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## Of Interest to Retail Florists

### NEW RETAIL FLOWER STORES.

Los Angeles, Cal.—J. S. Glasscock.  
Boston, Mass.—Henry Comley, 6  
Park street.

Biddeford, Me.—C. S. Strout, 207  
Main street.

### STEAMER DEPARTURES

#### American.

St. Louis, N. Y.-S'hampton...Dec. 12

Philadelphia, N. Y.-S'hampton...Dec. 12

#### Atlantic Transport.

Minneapolis, N. Y.-London...Dec. 12

Minneapolis, N. Y.-London...Dec. 19

#### Cunard.

Lucania, N. Y.-Liverpool...Dec. 9

Saxonia, Boston-Liverpool...Dec. 15

Lusitania, N. Y.-Liverpool...Dec. 16

#### French Line.

La Touraine, N. Y.-Havre...Dec. 10

La Bretagne, N. Y.-Havre...Dec. 17

#### HAMBURG-AMERICAN.

Kaiserin, N. Y.-Hamburg...Dec. 12

Patricia, N. Y.-Hamburg...Dec. 19

#### Leyland.

Winifredian, Boston-Liv'pool...Dec. 16

#### North German Lloyd.

Pr. F. Wilhelm, N. Y.-B'm'n...Dec. 12

#### White Star.

Majestic, N. Y.-S'hampton...Dec. 9

Arabic, N. Y.-Liverpool...Dec. 10

Oceanic, N. Y.-S'hampton...Dec. 16

Newton, Mass.—F. D. Shaw, 299  
Walnut street.

Atlanta, Ga.—W. A. Hollingsworth,  
80 Peachtree street.

Portland, Ore.—Portland Floral Co.,  
325 Morrison street.

Braddock, Pa.—Braddock Floral Co.,  
720 Braddock avenue.

Cleveland, O.—C. A. Bramley, E.  
19th and Superior avenue, branch  
store.

### BUSINESS CHANGES.

Boston, Mass.—P. L. Carbone has  
moved from 258 to 272 Boylston street.  
Picton, Ont.—Gilmore & Ward have  
purchased the business of J. Terrell  
& Son.

Redondo, Cal.—The Redondo Green-  
houses have been purchased by Ed-  
ward Kirby.

Santa Barbara, Cal.—Ernest Sexton  
will this winter be located at 817  
State street.

Washington, D. C.—W. Marche will  
soon remove to his new store, 14th  
and H street, N. W.

Tidewater, Va.—Mrs. Carrie M.  
Terry has moved from the corner of  
Curry street to her Mellen street  
building.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St. NEW YORK

Our Motto—The Golden Rule

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## PROMPT DELIVERY IN

## BOSTON

AND ALL NEW ENGLAND POINTS

F. H. HOUGHTON

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

## EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

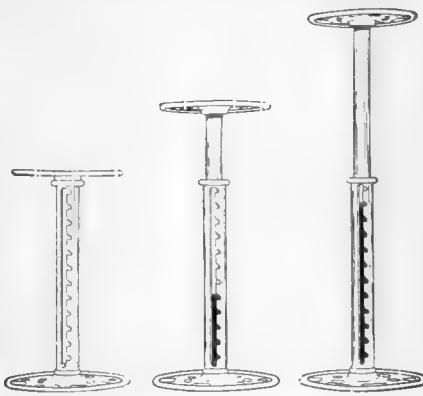
## THOS. F. CALVIN

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.





# IT'S TIME

**"To Make a Noise Like an Order,"**  
**IF YOU DESIRE OUR ADJUSTABLE PLANT STANDS**

for the coming Fall and Winter Horticultural Displays, as we are rapidly selling up our production until that time, and late comers will be disappointed.  
**Prize winners this season for display and banking of plants will be those equipped with The Moore-Livingston Adjustable Plant Stands.**

With three sizes of stands all heights can be obtained from 6 to 48 inches.  
 If your seedsman or supply house cannot furnish them, write, phone, wire or cable us and we are "J. bunnies on the spot" for a prompt reply as to where they can be obtained.

**The Moore-Livingston Co.** MAKERS AND PATENTEES **Lansdowne, Pa.**  
**PHILADELPHIA OFFICE:** Central Trust Building, 4th and Market Sts., Philadelphia

## NEWS NOTES.

**Providence, R. I.**—T. F. Keller has assigned to J. M. Bligh.

**Stratford, Conn.**—H. Meacham is rebuilding his furnace room.

**Santa Cruz, Calif.**—The A. Mitting Calla Lily Bulb Co. is being reorganized for the better conduct of its business.

**Chicago, Ill.**—Manusos Bros. have closed their flower stand, 176 State street, and will continue the one at State and Van Buren streets.

**No. Stratford, N. H.**—The greenhouse of Albert Felker has recently been improved by the addition of an

office building and other minor changes.

**Salem, Ore.**—Chas. A. Kibbe, the aster specialist of Elmhurst, Ill., has taken up his residence at this place in the hope that his son's health will materially improve.

**Chicago, Ill.**—The Peterson Nursery is consolidating its business offices and landscape department, and both will now be found on the tenth floor of the Stock Exchange Building.

**New York.**—There are in the State of New York about five hundred nurseries embracing about ten thousand acres of land. These nurseries have 27,535,000 fruit trees, 16,600,000 ornamental trees, 4,750 currants and 16,500,000 grape vines.

**New York.**—The law in New York providing for apple barrels of standard size is being well enforced this year. The legal barrel contains three bushels and measures 17 1/2 inches head and 28 1/2 inches in length of staves, with a circumference around the largest part of sixty-four inches outside measurement. Barrels below these measurements are marked "short barrel," and are discriminated against by the dealers.

## PERSONAL.

John Wanderle has started in the landscape business for himself in St. Louis.

Hans Jensen, of Central, Mo., has taken a position as foreman at Sanders' Nurseries, St. Louis.

Visitors in New York: L. W. Bowen, president of D. M. Ferry Co., Detroit, Mich.; August Jergens, Chicago; William Jurgens, Newport, R. I.

A. H. Kirkland of Boston, has resigned his position as superintendent for the suppression of the gypsy and brown-tail moth in Massachusetts.

Dana M. Pratt of Bryantville, Mass., has just completed work on the extensive Italian gardens of W. G. Mather, at Cleveland, O.

Visitors in Albany, N. Y.: Mr. Snyder of Rhinebeck, N. Y.; S. E. Prosser, Warrensburgh, N. Y.; Mr. Zirkman, representing M. Rice & Co., Philadelphia.

Otto Will of Minneapolis and Miss Florence Keeling of Caldwell, Kansas, will be married next Wednesday at Caldwell. The wedding trip will be a tour around the world.

Mr. Edward Hatch, of Boston, having

entirely recovered from his recent severe illness, will spend the winter in the South. He has removed his office to the Worthington Building, 31 State street, the spot where for twenty-four years he previously had an office.

Visitors in Boston: George C. Watson, Philadelphia; Paul Berkowitz, of Bayersdorfer & Co., Philadelphia; Louis J. Reuter, Westerly, R. I.; O. W. Cutler, Niagara Falls, N. Y.; H. S. DeForest, of Pierson U-Bar Co., New York; A. Martial, representing Reed & Keller, New York; P. T. Barnes, Suburban Life, Harrisburg, Pa.

## IN BANKRUPTCY.

The Fleischman Floral Company and Joseph Fleischman, individual, of New York City, were petitioned into bankruptcy on Dec. 1. Robert C. Morris has been appointed receiver for the Hoffman House store. Among the largest creditors are John I. Raynor \$2700, and A. J. Guttman \$500.

## NOTICE

We desire to notify the trade that we are the owners of United States patent No. 489,218 for Floral Figure which claims:



"A florist's letter or figure stamped from a sheet of paste-board or other suitable material, having an adhesive coating applied thereto and an outer covering of granules of sawdust appropriately colored to represent the petals of the Helichrysum arenarium substantially as described."

Letters which are a direct infringement of this patent are being put on the market and we intend to hold all who make or sell the infringing letters to strict account.

The lawful patented goods are in every respect much superior to the infringement.

**BOSTON FLORIST LETTER CO.**  
 66 Pearl St. N. F. McCarthy, Mgr. Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

**Public Accountant and Auditor**

Simple methods of correct accounting especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

**28 STATE ST., BOSTON**  
 Telephone, Main 38.

**STRING UP**  
 Asparagus and Smilax with  
**GREEN SILKALINE**  
 There's Nothing So Good.  
**JOHN C. MEYER & CO., Boston, Mass.**

The Original Telegraph Order Florist

WILL DELIVER

**Christmas AND New Years Flowers**  
 to order in Boston and Vicinity. Usual Discount.

**J. NEWMAN & SONS, Inc.**  
 EST. 1870 24 TREMONT ST., BOSTON

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.



**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.  
 Cut Flowers of BEST QUALITY in season delivered promptly to any address.  
 Write, Telegraph or Telephone.  
 Cumberland and Home Phones 223 and 964

## WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**  
 Tel. Wellesley 44-1 and 2. Night 44-3.

# CARNATIONS

All standard varieties. Let us fill your next order for Carnations and compare them with what you have been getting. Write to us for prices on regular shipments.

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.

# ADVERTISE

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him

# ADVERTISE

## BRONZE GALAX

\$7.50 per Case.

## W. E. McKESSICK & BROS.

WHOLESALE FLORISTS

1619-1621 RANSTEAD ST.  
PHILADELPHIA

## CUT FLOWER BOXES

EDWARDS FOLDING BOX CO  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

E. F. WINTERSON CO.

45-47-49 WABASH AVE., CHICAGO

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

## WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice a week, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES LILY OF THE VALLEY, CARNATIONS WELCH BROS., 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Nov. 30	TWIN CITIES Nov. 30	PHILA. Nov. 30	BOSTON Dec. 3
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	25.00 to 35.00	25.00 to 35.00	25.00 to 30.00	25.00 to 35.00
" Extra.....	20.00 to 25.00	15.00 to 25.00	18.00 to 20.00	15.00 to 20.00
" No. 1.....	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00	6.00 to 10.00
" Lower grades.....	10.00 to 15.00	6.00 to 10.00	5.00 to 8.00	1.00 to 4.00
Bride, 'Maid, Fancy & Special.....	6.00 to 8.00	6.00 to 8.00	5.00 to 8.00	4.00 to 8.00
" Lower grades.....	3.00 to 6.00	3.00 to 6.00	2.00 to 3.00	.50 to 3.00
Kilmarney, Fan. & Sp.....	6.00 to 10.00	8.00 to 12.00	6.00 to 8.00	4.00 to 8.00
" Lower grades.....	3.00 to 6.00	3.00 to 6.00	3.00 to 4.00	1.00 to 3.00
Richmond, Fancy & Special.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	4.00 to 12.00
" Lower grades.....	4.00 to 6.00	4.00 to 6.00	3.00 to 4.00	1.00 to 2.00
Chatenay.....	4.00 to 6.00	6.00 to 8.00	2.00 to 3.00	1.00 to 6.00
Golden Gate Ivory, etc.....	3.00 to 6.00	6.00 to 8.00	2.00 to 6.00	1.00 to 6.00
My Maryland.....	..... to .....	..... to .....	5.00 to 10.00	6.00 to 15.00
Queen Beatrix.....	..... to .....	..... to .....	3.00 to 8.00	2.00 to 6.00
Mrs. Mar. Field.....	6.00 to 10.00	..... to .....	..... to .....	..... to .....
<b>CARNATIONS</b>				
Fancy and Novelty.....	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	1.50 to 3.00
Ordinary.....	2.00 to 3.00	2.00 to 3.00	..... to 1.50	1.00 to 1.50
<b>MISCELLANEOUS</b>				
Chrysanthemums, Fancy.....	25.00 to 35.00	18.00 to 25.00	20.00 to 25.00	12.00 to 15.00
" Ordinary.....	6.00 to 10.00	8.00 to 15.00	5.00 to 10.00	4.00 to 10.00
Cartleys.....	10.00 to 50.00	50.00 to 60.00	50.00 to 60.00	30.00 to 50.00
Lilies.....	10.00 to 15.00	12.50 to 15.00	10.00 to 12.00	6.00 to 8.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.00 to 3.00
Narcis., Paper White.....	1.50 to 2.50	..... to .....	..... to 3.00	1.00 to 2.00
Roman Hyacinth.....	..... to .....	..... to .....	3.00 to .....	..... to .....
Sweet Peas.....	.75 to 1.00	..... to .....	.50 to .75	.75 to 1.00
Gardenias.....	4.00 to 50.00	..... to .....	40.00 to 50.00	25.00 to 35.00
Violets.....	.75 to 1.50	1.00 to 1.50	.75 to 1.00	.50 to .75
Adiantum.....	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	.75 to 1.00
Smilax.....	12.00 to 15.00	10.00 to 12.50	..... to 15.00	10.00 to 12.50
Asparagus Plumosus, strings.....	10.00 to 50.00	50.00 to 75.00	35.00 to 50.00	25.00 to 50.00
" & Spon. (100 bchs.).....	20.00 to 30.00	4.00 to 50.00	35.00 to 50.00	15.00 to 24.50

# J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of CUT FLOWERS



## HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



Big Christmas Trade  
YOU CAN'T ESCAPE IT IF YOU ADVERTISE FOR IT IN HORTICULTURE'S  
**BIG ANNIVERSARY NUMBER**  
DECEMBER 12

# BEAUTIES,

as choice stock as ever came to Philadelphia, good bright color, splendid deep green foliage.



**Specials \$25 and \$30 Mediums \$15 Short \$8 and \$10**

**Beauty Ribbon, No. 40, \$2.00. No. 80, \$3.00.**

Red Ribbon for Xmas, good assortment, sample and prices on application.

**S. S. PENNOCK-MEEHAN CO.,**

**1608-1620 Ludlow St., Philadelphia.**

"The" Wholesale Florists of Philadelphia

## Flower Market Reports.

**BALTIMORE** The cut flower business has improved not by leaps and bounds but in common with commercial industries it has felt the influence of more settled monetary conditions. Chrysanthemums are well nigh passed. Roses and carnation are in sufficient quantity. Violets are scarce.

**BOSTON** The continued hot weather has created an unexpected dullness, unprecedented at this season. Prices are down and stock moves slowly. Chrysanthemums are gradually disappearing, only a few stragglers being seen. Violets are marked at a low figure. A cold wave has swept in as we go to press, and if it tarries conditions should brighten.

**BUFFALO** Beginning Monday the 23rd, the market opened up brisk and stock moved much better than in weeks past. The first winter holiday being Thanksgiving, and the three days previous being more like April than November (the thermometer registering 60 to 66), trade was much better than expected, although prices had changed but little, and on only one or two lines. The demand was for violets and not a bunch was left over. The supply of chrysanthemums was exceptionally good. The supply of Beauties was light, though with no heavy demand, the high price checking the sales, while long stemmed Richmond filled the bill in many cases where medium quality was preferred. In the carnation line there was a fair demand, but the warm weather showed the effects on those that had been held a day or so and caused a good many to display signs of sleepiness. Selected stock sold well, but high prices were out of the question on anything. Lily of the valley was in good supply, and moved well. Greens of all kinds were in good supply.

**CHICAGO** The Chicago market is waiting for cold weather. Everyone has a large stock and much of it is good, but the warm weather has hurried it along. This is practically the last week for many of the chrysanthemum growers, though a few have late blooms which will probably bring good prices. The Thanksgiving trade as a whole was far from satisfactory. Continued warm weather and rain decidedly reduced the demand. The usual holding back of stock by the growers brought the usual

## WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

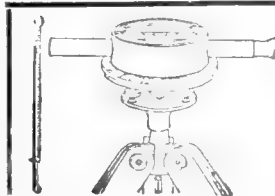
	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Nov. 30		Dec. 1		Dec. 2		Nov. 30	
ROSES								
Am. Beauty, Fan. and Sp.....	35.00	to 40.00	25.00	to 35.00	35.00	to 40.00	20.00	to 25.00
"    Extra.....	25.00	to 30.00	12.50	to 20.00	20.00	to 25.00	12.50	to 15.00
"    No. 1.....	15.00	to 20.00	10.00	to 12.50	15.00	to 20.00	6.00	to 10.00
"    Lower grades.....	6.00	to 10.00	8.00	to 10.00	6.00	to 8.00	.....	to 3.00
Bride, "Maid, F. & S.....	6.00	to 8.00	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00
"    Low gr.....	3.00	to 4.00	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00
Killarney, Fan. & Sp.....	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00	.....	to 6.00
Richmond, Fancy & Special.....	8.00	to 10.00	6.00	to 8.00	10.00	to 15.00	8.00	to 12.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	.....	to 6.00
Catenay.....	4.00	to 8.00	3.00	to 8.00	8.00	to 10.00	4.00	to 8.00
Golden Gate, Ivory, etc.....	4.00	to 6.00	3.00	to 8.00	5.00	to 8.00	4.00	to 6.00
My Maryland.....	.....	.....	.....	.....	.....	.....	.....	.....
Queen Beatrice.....	.....	.....	.....	.....	.....	.....	.....	.....
Mrs. Mar. Field.....	.....	.....	.....	.....	.....	.....	.....	.....
CARNATIONS								
Fancy and Novelties.....	4.00	to 5.00	2.50	to 3.00	3.00	to 4.00	2.00	to 3.00
Ordinary.....	2.00	to 3.00	1.50	to 2.00	2.00	to 3.00	1.00	to 2.00
MISCELLANEOUS								
Chrysanthemums, Fancy.....	20.00	to 35.00	25.00	to 35.00	15.00	to 25.00	20.00	to 25.00
"    Ordinary.....	6.00	to 12.00	12.50	to 20.00	6.00	to 10.00	8.00	to 12.00
Cattleyas.....	60.00	to 75.00	.....	to 35.00	60.00	to 75.00	.....	to 75.00
Lilies.....	0.00	to 12.50	15.00	to 18.00	10.00	to 15.00	.....	to 12.50
Lily of the Valley.....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	.....	to 4.00
Narciss., Paper White.....	2.00	to 3.00	4.00	to 5.00	2.50	to 4.00	.....	to 3.00
Roman Hyacinth.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 3.00
Sweet Peas.....	50	to 1.00	50	to 1.00	.75	to 1.00	.7	to 1.25
Gardenias.....	.....	to 50.00	.....	to 75	.....	to 50	.....	to 50
Violets.....	75	to 1.25	.....	to 1.25	.75	to 1.25	1.00	to 1.50
Adiantum.....	.....	to 1.25	.....	to 1.25	.50	to 1.00	.....	to 1.25
Smilax.....	10.00	to 15.00	12.00	to 15.00	12.00	to 15.00	.....	to 12.50
Asparagus Plumosus, strings.....	30.00	to 50.00	.....	to 35.00	50.00	to 60.00	35.00	to 50.00
"    "    & "pren (100 bchs.).....	30.00	to 50.00	35.00	to 50.00	25.00	to 50.00	.....	to 42.00

result, an overstocked market. Much has been held till it was unsaleable, even had there been a demand. At this writing the air is as warm as summer, and a cloudy condition prevails.

**Thanksgiving**  
**PHILADELPHIA.** week was one of the most satisfactory the Philadelphia trade has experienced for some time. All agree that it was better than last year even if average prices did rule lower. The Cornell and Army-Navy games with auxiliary social diversions were the two stirring events—one on Thursday, the other on Saturday. There were plenty of local flowers with the exception of violets. Dozens of growers and wholesalers at outside points (notably Rhinebeck and New York) were called on to supply the deficiency in violets. Chrysanthemums are still a factor in the market. There was no marked advance in rose prices except for some

lots of the very choicest quality. The weather is again warm and immense quantities of flowers of all kinds are being forced in, thus checking the natural upward tendency of prices. Carnations are an exception to this, as the early fall stimulation of this crop has spent itself and supplies are shortening up. Orchids are in such good demand that—with normal supply—Christmas prices already prevail. The same may be said about gardenias. The market is full of such things as bouvardia, mignonette, stevia, candy-tuft, sweet peas, Roman hyacinths, paper whites, lilies and so forth

**TWIN CITIES** Business has been fairly good the past week; if the weather had not been so mild and balmy, it would have been more brisk. There seems to be a temporary shortage of red roses, otherwise the demand and supply are about equal.



### EVERYBODY KNOWS

Park, Cemetery and Landscape leveling cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$14.00 and No. 3 at \$20.00, are conceded by all who KNOW to be the only Levels on the market which meet all the requirements at the price.

Our guarantee backs every Level we sell, and satisfies users in every State in the Union. Don't endorse every claim we make.

Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG CO., 139 Madison Avenue, ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street NEW YORK

**FINE ROSES FANCY CARNATIONS**

A FULL LINE OF CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT**Wholesale Commission Florist,  
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**All choice cut-flowers in season. Send  
for quotations. Correspondence with  
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
1463**FRANK MILLANG****Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
sale Market Rates.**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOED**

43 W. 28th Street, NEW YORK

Telephone, 3873 Madison Sq

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

Telephone No. 756  
Madison Square

NEW YORK

**MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephone 3860  
3861 Madison

NEW YORK

**SAMUEL A. WOODROW****WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR  
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety  
grown for New York market, at current prices

TEL. 1908 MADISON SQUARE

49 West 28th St., New York City

**Walter F. Sheridan***Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY****THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS, 759 Madison Sq. 42 W. 28th St., New York****PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.****CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	Last Half of Week ending Nov. 28 1908		First Half of Week beginning Nov. 30 1908	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 20.00
" " Extra.....	12.00	to 15.00	10.00	to 12.00
" " No. 1.....	10.00	to 12.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Ald, Fancy and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Richmond, Fancy and Special.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Chatenay.....	.50	to 10.00	.50	to 10.00
My Maryland.....	.50	to 12.00	.50	to 12.00
Golden Gate, Ivory, etc.....	.50	to 8.00	.50	to 8.00

**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET****PHONES. 1664--1665 MADISON SQUARE****ENOUGH SAID****TRAENDLY & SCHENCK****Wholesale Florists****Furnish best stock at fair prices all the year round.**

Send for quotations on Full Orders.

Tel. 798, 799 Madison Sq.

**44 West 28th St., New York City.****GROWERS' CUT FLOWER CO.****CUT FLOWERS  
AT  
WHOLESALE****VIOLETS, CARNATIONS, ROSES  
ORCHIDS, CHRYSANTHEMUMS, LILIES***Consignments Solicited Shipments to Order, any Distance***39 West 28th Street,**37 Madison Square  
J. J. JOHAN, Manager**NEW YORK**



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

**WHOLESALE FLORISTS**  
54 West 28th St.  
NEW YORK  
Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

**RECEIVERS & SHIPPERS OF CUT FLOWERS.**  
CONSIGNMENTS SOLICITED.

**JOHN YOUNG**  
**WHOLESALE FLORIST**

Finest American Beauties and Carnations

51 West 28 St. - NEW YORK

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**Greater New York Florists' Association, Inc.**

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**H. G. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**REED & KELLER**

122 West 25th St., New York

**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties and are dealers in

Glassware Decorative Grasses and Florists' Requisites

**THE KERVAN CO.**

Wholesale Dealers and Shippers of

**Decorative Evergreens**

Ferns, Galax, Laurel, Fresh Cypas, Boxwood, Sphagnum and all Christmas Greens

Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

**E. A. BEAVEN**

**Southern Wild Smilax,**

**Log Mosses,**

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

**Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of

**EVERGREENS**

Fancy and Dagger Ferns

Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**HENSHAW & FENRICH**

WHOLESALE FLORISTS

44 West 28th St., Phones: 325 and 5583 Madison Sq. N. Y.

Night and Sunday Phone 5582 Madison Sq.

Our Specialty is Everything.

Consignments of the best stock solicited. The square deal guaranteed to all who trade here.

**WHOLESALE COMMISSION**

Open 6 a.m. Daily

## J. K. ALLEN

106 W. 28th St.

NEW YORK

Tel. 167 Madison Sq.

All Grades of Flowers to Suit All Buyers. Consignments Solicited.

NEW YORK QUOTATIONS PER 100. To Dealers Only

CARNATIONS AND MISCELLANEOUS	Last Half of Week ending Nov. 28 1908		First Half of Week beginning Nov. 30 1908	
Carnations, Fancy and Novelties.....	1.50	to 2.00	1.50	to 2.00
Ordinary.....	.50	to 1.50	.50	to 1.50
Chrysanthemums, Fan y.....	10.00	to 25.00	10.00	to 25.00
Ordinary.....	5.00	to 8.00	5.00	to 8.00
Cattleyas.....	40.00	to 50.00	40.00	to 50.00
Lilies.....	5.00	to 8.00	5.00	to 8.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narciss., Paper White.....	1.50	to 2.00	1.50	to 2.00
Roman Hyacinth.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	.75	to 1.00	.75	to 1.00
Gardenias.....	20.00	to 35.00	20.00	to 35.00
Violets.....	.50	to .75	.50	to .75
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 35.00	20.00	to 35.00
" " & Spren. (100 bchs.).....	15.00	to 25.00	15.00	to 25.00

Trade since Thanksgiving Day has suffered from very warm weather which has forced all stock prematurely and unfavorably affected quality. The present receipts are light but demand is sluggish, and it has taken the first half of the week to unload accumulations. Cooler weather has not helped prices, which are very low for the season and general depression prevails.

Business is keeping up very steadily, with prices the same as at Thanksgiving. This week will finish up the chrysanthemums. Violets are improving in quantity and quality. Real good roses are scarce. The demand for fancy ferns and leucothoe is greatly increased over last year.

Thanksgiving trade itself was somewhat lighter than in other years. The future looks bright. Many decorations are booked.

For the past week WASHINGTON weather conditions have resembled September rather than November, but despite this fact, prices took their usual Thanksgiving jump, and they of course will prevail from now on. Violets are scarcer than for several years past at this particular season and prices are up accordingly, although they are not up to their usual standard. Sweet peas are improving in quality and there is a steady demand for them. Carnations are taking on their winter stem but have advanced only a trifle in price.

**WHOLESALE ONLY**  
**Galax, Ferns and Leucothoe**

Direct from the grower to the dealer. Per 1000: Galax, Green, 50c. Leucothoe Sprays (green only), \$1.00; Ferns, Dagger and Fancy, 70c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N. C.

**NORTH CAROLINA EVERGREEN CO.**  
Banner Elk, N. C.



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

Aruncaria Excelsa.

For page see List of Advertisers.

## ASPARAGUS

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AUCUBAS

Henry A. Dreer, 714 Chestnut St., Phila.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.

For page see List of Advertisers.

## BAY TREES.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

Henry A. Dreer, 714 Chestnut St., Phila.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Phila.

## BUILDING MATERIAL

BUILDING MATERIAL. Full description for all purposes. See item, Iron Frame of Truss Houses, Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-51 N. Market St., Boston.

For page see List of Advertisers.

J. M. Barlow & Co., 31 Barclay St., New York.

For page see List of Advertisers.

## BULBS AND TUBERS - Continued

A. T. Boddington, 342 W. 14th St., N. Y.  
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Lilium Longiflorum, Japan Crown.

For page see List of Advertisers.

A. Mitting Calla Lily Bulb Co., Santa Cruz, California.

Calla Bulbs.

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Lilies, Freesias, Hyacinths, Narcissus,

Tulips.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.

Narcissus Paper White Grandiflora.

For page see List of Advertisers.

Kershaw, Keighley, Eng.

For page see List of Advertisers.

FOR SALE. 600 Finest Mixed Early Tulips, 75 Narcissus Paper White, Grandiflora Precocious, and 50 each three named Jonquills, \$3.50. Cash please. L. Merton Gage, Orange, Mass.

## CALLAS

Edmund Reardon, Cambridge, Mass.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

Carnation, Pink Delight.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.

Andrew Carnegie and Harlowarden.

For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.

Carnation O. P. Bassett.

For page see List of Advertisers.

Charles Knopf Floral Co., Richmond, Ind.

New Carnations.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.

Chrysanthemum Novelties.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

William Swayne, Kennett Square, Pa.

For page see List of Advertisers.

Chrysanthemum Golden Glow from 2 1/4 in. pots, for early spring delivery, \$3.00 per 100. Stock plants of Montmort, O. t Frost, Crocus, Matchless, Lucy Deane, Polly Rose and Halleliday, \$1.00 per doz.; \$6.00 per 100. Peirce Bros., Waltham, Mass.

Herrington's book on the Chrysanthemum, mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Stock plants of Early Snow, etc., etc., etc., the best early variety, 75c per doz.; \$5.00 per 100. James W. ... field St., Providence, R. I.

## COLD STORAGE VALLEY

H. F. Mitchell Co., 1018 Market St., Phila.  
For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.

For page see List of Advertisers.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

Peacock Dahlia Farms, Williamstown Junction, N. J.

Dahlia Miss Virginia Maule.

For page see List of Advertisers.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann.

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Joseph Hearcock Co., Wyncote, Pa.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

A. Schultze, College Point, N. Y.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.

Palms and Ferns.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

## EVERGREENS

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

American Nursery Co., 150 Broadway,

New York, N. Y.

For page see List of Advertisers.

Henry A. Dreer, 714 Chestnut St., Phila.  
Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

## FERNS

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

# For List of Advertisers See Page 761

**FERNS — Continued**

- Frank Oechslin, 2570-2606 W. Adams St., Chicago.  
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.
- The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.
- Henry A. Dreer, 714 Chestnut St., Philadelphia.  
New Crested Scottil, N. Scholzeil.  
For page see List of Advertisers.
- Whitmanii Ferns, 2½ in. \$3.00 per 100; 6 in., \$3.50 and \$5.00 per doz. 7 in. \$9.00 and \$12.00 per doz. James Crawshaw, Providence, R. I.

**FERTILIZERS**

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.  
Wizard Brand Cattle Manure.  
For page see List of Advertisers.
- Robert Simpson, Clifton, N. J. Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

- Floral Photographs. Foley's, 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- F. H. Houghton, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMullin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.
- Tailby, Wellesley, Mass.  
For page see List of Advertisers.
- J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- E. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH — Continued**

- David Clarke's Sons, 2133-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. & Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- M. Bowe, 1204 Broadway, New York.  
For page see List of Advertisers.
- The Blossom (C. C. Trepel, Mgr.), Bond and Livingston Sts., Brooklyn, N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

- A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

**FLOWER POTS**

- W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.
- Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.
- Whilldin Pottery Co., Philadelphia.  
Standard Flower Pots.  
For page see List of Advertisers.
- The Peters & Reed Pottery Co., Red pots, seed pans, etc. Zanesville, O.

**GALAX**

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.
- No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.
- The Kervan Co., 113 West 28th St., N. Y.  
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston.  
For page see List of Advertisers.

**GERANIUMS**

- R. Vincent Jr. & Sons Co., White Marsh, Md.  
New and Standard Varieties.  
For page see List of Advertisers.
- E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**GLADIOLI**

- J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.

**GLASS**

- Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- Sharp, Partridge & Co., 22d & Lumber St., Chicago.  
For page see List of Advertisers.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- GLASS, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.
- GLAZING DEVICES**
- H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

- Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neposet, Boston.  
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Geo. B. Doane, 18 Midway St., Boston. Iron Pipe.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
- J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J. Curved Iceless Eave.  
For page see List of Advertisers.
- The Weathered Co., New York City.  
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.

**GUTTERS**

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

- Florists' Hall Asso. of America. J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS, MOSS AND GREENS**

- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.
- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.
- The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.
- E. A. Beaven, Evergreen, Ala.  
For page see List of Advertisers.

**HEATING APPARATUS**

- Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago.  
For page see List of Advertisers.

**HORTICULTURAL EXPORTERS**

H. Cannell & Sons, Swanley, Eng.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.  
For page see List of Advertisers.

Pierson U. E. Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1123 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

**IMMORTELLES**

M. Rice & Co., 1220 Race St., Philadelphia.

**INSECTICIDES.**

Nicotitide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stump & Walter Co., 50 Barclay St.,  
New York.

Kilmdead Tobacco Dust.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

**IRIS**

F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.

Single and Made-Up Specimens.  
For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk,  
North Carolina  
For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Bostrom-Brady Mfg. Co., 139 Madison Ave.,  
Atlanta, Ga.  
For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Stormgade,  
Copenhagen, Denmark  
For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in.  
pots, \$2.00 per 100. E. O. Perry, Berlin,  
Mass.

**MISTLETOE**

Enterprise Seed Co., Oklahoma City, Okla.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture." John F. Flood Co., East St., Dedham, Mass.

**MYRTLE**

Myrtle for cemetery planting, strong field grown clumps, \$2.00 per 100, or \$17.50 per 1000. Geo. A. Dhoan, East Walnut Hills, Cincinnati, O.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Clary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken  
Heights, N. J.

For page see List of Advertisers

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

J. H. Troy, 24 E. 34th St., New York.  
Linden Trees -Wanted.

For page see List of Advertisers.

American Nursery Co., 150 Broadway, New  
York, N. Y.

For page see List of Advertisers.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$3.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS, ELLWANGER & BARRY, Rochester, N. Y.

**OPPORTUNITY FOR INVESTMENT**

Miller Floral Co., East Brookfield, Mass.

**ORANGE TREES**

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists.

For page see List of Advertisers.

Carrillo & Ballwin, Syracuse, N. Y.

For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.

Orange, N. J.

For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1123 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

**PEONIES**

Wholesale Peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**PLANT TUBS**

Henry A. Dreer, 714 Chestnut St., Phila.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS (Artificial)**

Pittsburgh Cut Flower Co., Ltd.,  
222 Oliver Ave., Pittsburgh, Pa.  
For page see List of Advertisers.

Poinsettias, artificial decorations our specialty. Sample lots of 50 in 3 sizes, \$1.00; 100 lots, \$6, \$8, \$10. J. Stern & Co., 125 N. 14th St., Philadelphia, Pa.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,

Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St. Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

Frank H. Houghton, 396 Boylston St.,  
Boston.

For page see List of Advertisers.

**For List of Advertisers See Page 761**

**RETAIL FLORISTS—Continued**

Edward MacMulkin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

Tailby, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.

For page see List of Advertisers.

M. Bowe, 1294 Broadway, New York.

For page see List of Advertisers.

The Blossom (C. C. Trepel, Mgr.), Bond and Livingston Sts., Brooklyn, N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagsbot, England.

For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

**ROSES**

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

Rose Newport Fairy.

For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass., and 3A Somerset St., Boston.

New Forcing Rose White Killarney.

For page see List of Advertisers.

The F. R. Pierson Co., White Killarney.

Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Low-budded roses, No. 1, \$95.00; No. 1-2, \$65.00 1000. H. T. Jones, Elizabeth, N. J.

Benjamin Dorrance, Dorranceton, Pa.

Rooted Cuttings, Young Rose Plants.

Roses, strong, own root, 4 Inch Chatenay, Killarney, Richmond and Maid, \$8 per 100.

Siebrecht & Son, New Rochelle, N. Y.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

The beautiful new pink rose, MISS KATE MOULTON is the queen of all pink roses. It's a winner and you should grow it. Price \$30.00 100; 500 \$125.00; 1000 \$200.00; 5000 and upwards \$175 per 1000. Minneapolis Floral Co., Minneapolis, Minn.

**SALVIAS**

My own new crop of SALVIA SPLENDENS VARIETIES is now ready: Nana Compacta ZURICH, finest early flowering pot Salvia in existence, selected seeds, Compacta Grandiflora FIREBALL, best of all for pots and groups, selected seeds, Grandiflora Amellorata KING OF THE SCARLETS, unequalled for late groups, with extra large deep scarlet spikes, selected seeds. Each of above per Tr. Pkt., 50c; 6 Tr. Pkt., \$2.50. Larger quantities on special quotation. O. V. ZANGEN, Seedsman, Hoboken, N. J.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.

For page see List of Advertisers.

**SEED GROWERS**

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

For page see List of Advertisers.

Hjalmar Hartmann & Co., Cauliflower and Cabbage Seed.

12 Stormgade, Copenhagen, Denmark.

For page see List of Advertisers.

**SEEDS**

1. J. Gray Co., 32 So. Market St., Boston.

For page see List of Advertisers.

Joseph Breck & Sons,

51 and 52 N. Market St., Boston, Mass.

For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.

For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.

For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.

For page see List of Advertisers.

Hjalmar Hartmann & Co.,

12 Stormgade, Copenhagen, Denmark

Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York

For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.

Mignonette Seed.

For page see List of Advertisers.

H. E. Fliske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.

For page see List of Advertisers.

A. J. Pieters Seed Co., Hollister, Calif.

Sweet Pea and Onion Seed.

For page see List of Advertisers.

Schilder Bros., Chillicothe, O.

Onion Seed.

Kershaw, Keighley, Eng.

For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

Genuine Comet Tomato seed, selected, \$1.00 per oz. John A. Burns, Frankford Ave., Holmesburg, Philadelphia, Pa.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.

For page see List of Advertisers.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Cash.

H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

**STEAM TRAP**

E. Hippard, Youngstown, O.

For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.

Winter Flowering.

For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.

For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

The Advance Co., Richmond, Ind.

For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.

20th Century Ventilating Arm.

For page see List of Advertisers.

VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1183 Broadway, N. Y.

**WAX FLOWERS**

We are originators of wax designs and still the standard concern. J. Stern & Co., 125 N. 10th St., Philadelphia, Pa.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.

For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.

For page see List of Advertisers.

Wirework. Write for our catalogue.

Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list.

Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others.

Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS****Boston**

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.

For page see List of Advertisers.

Welch Bros., 226 Devonshire St., Boston.

For page see List of Advertisers.

Tailby, Wellesley, Mass.

For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago.

For page see List of Advertisers.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago.

For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.

For page see List of Advertisers.

**Cromwell, Conn.**

A. N. Pierson, Cromwell, Conn.

For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.

For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

# Tobacco Paper "NICO-FUME" LIQUID

IS THE  
STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.

Furnishes the  
Most Nicotine for the Money!

By far the  
CHEAPEST.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

JUST NOTE PRICES!

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



## THE WHILLDIN POTTERY COMPANY

THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS— Continued

#### New York

- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuetler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.
- George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.
- Frank Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- B. S. Shinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.
- Henshaw & Foulh, 44 W. 28th St., New York.  
For page see List of Advertisers.

#### Philadelphia

- W. E. McKissick & Bro., 1419-1621 Ransdell St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Nisslen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Mead Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

### WHOLESALE FLORISTS— Continued

#### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax; Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### ASTER SEED.

- Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

### ASTER SEED.

- H. B. Williams, Baldwinville, N. Y.  
For page see List of Advertisers.

### BARRYMORE STRAWBERRY.

- H. L. Crane, Westwood, Mass.  
For page see List of Advertisers.

### BAY TREES: KENTIAS.

- Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

### BERMUDA ONION SEED.

- Federico C. Varela, Tenerife, Canary Is.  
For page see List of Advertisers.

### CARNATION CUTTINGS.

- East Sudbury Greenhouses, So. Sudbury, Mass.  
For page see List of Advertisers.

### CHRISTMAS PLANTS.

- A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

### GALAX, FERNS, LEUCOTHOE.

- No. Carolina Evergreen Co., Banner Elk, N. C.  
For page see List of Advertisers.

### GARDEN HOSE.

- Jos. Kopesay, So. Bend, Ind.  
For page see List of Advertisers.

### GLADIOLI.

- E. S. Miller, Wading River, N. Y.  
For page see List of Advertisers.

### GLADIOLUS AMERICA.

- Thomas J. Oberlin, Sinking Spring, Pa.  
For page see List of Advertisers.

### HOT BED SASH.

- Sunlight Double Glass Sash Co., Louisville, Ky.  
For page see List of Advertisers.

### IMPROVED ECONOMY BRACKET.

- Buxton & Allard, Nashua, N. H.  
For page see List of Advertisers.

### LILY OF THE VALLEY.

- W. A. Finger, Hicksville, L. I., N. Y.  
For page see List of Advertisers.



## STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
15 1/2 in. pots in crate \$4.85	120 7 in. pots in crate \$4.20
15 1/2 2 1/2 " " 5.25	70 8 " " 3.00
15 1/2 3 " " 6.00	HAND MADE
15 1/2 3 1/2 " " 5.00	48 9 in. pots in crate \$3.60
15 1/2 4 " " 5.80	48 10 " " 4.80
500 4 " " 4.50	24 11 " " 3.60
20 5 " " 4.51	24 12 " " 4.80
144 6 " " 3.16	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten percent off for cash with order. Address Hifinger Bros., Pottery, Fort Edward, N. Y. August Becker & Sons, Agts. 31 Barclay St., N. Y. City.

## Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

W. H. ERNEST

28th and M Street WASHINGTON D. C.

## NEW OFFERS—Continued

### PRUNING SHEARS.

- Rhodes Mfg. Co., Dept. R., Grand Rapids, Mich.  
For page see List of Advertisers.

### RETAIL FLORIST.

- J. Newman & Sons, Inc., 24 Tremont St., Boston.  
For page see List of Advertisers.

### ROSE DOROTHY PERKINS: TRILOBA: DEUTZIA GRACILIS.

- Hoopes Bro. & Thomas Co., Maple Ave. Nurseries, West Chester, Pa.  
For page see List of Advertisers.

### WHOLESALE FLORIST.

- J. K. Allen,  
106 W. 26th St., New York, N. Y.  
For page see List of Advertisers.



## List of Advertisers

Page	Page
Advance, The Co.....763	McManus Jas.....754
Allen J. K.....755	Meyer J. C. & Co.....751
American Nursery.....730	Michell H. F. Co.....761
American Nursery Co.....736	Michigan Cut Flower
Aschmann Godfrey.....735	Exchange.....755
Atlanta Floral Co.....750	Millang Bros.....754
Bambrick Thos. H.....761	Millang Frank.....754
Barrows H. H. & Son.....735	Miller, E. S.....747
Bassett & Washburn.....734	Moninger J. C.....763
Bayersdorfer H. & Co.....751	Moore, J. L.....747
Beaven E. A.....755	Moore, Hentz & Nash.....754
Berning H. G.....755	Moore-Livingston Co.....751
Bosom The.....750	Morse C. C. & Co.....749
Bobbin & Atkins.....736	Mosbaek Greenhouse.....761
Boddington A. T.....749	Murray Samuel.....750
Boston Florist Letter	
Co.....751	New England Nur-
Boston Plate and Win-	series.....736
dow Glass Co.....762	Newman J. & Sons.....751
Bostrom-Brady Mfg.	Niessen Leo Co.....752
Co.....753	North Carolina Ever-
Bowe, M. A.....750	green Co.....755
Breck Joseph & Sons.....749	Oberlin Thos. J.....747
Breitmeyer's J. Sons.....750	Oechslein Frank.....735
Bridgeman's Seed	Ordover Bros.....745
Warehouse.....741	Ouwkerk P.....736
Budlong J. A.....752	
Burpee W. A. & Co.....742	Palethorpe P. R. Co.....761
	Park Floral Co.....750
Carrillo & Baldwin.....741	Payne John A.....762
Chicago Carnation	Peacock Dahlia Farms.....747
Co.....734	Pennock-Meehan Co.....753
Clarke's David, Sons.....750	Perkins St. Nurseries.....755
Clary's Horticultural	Pierson, A. N.....735
Co.....736	Pierson F. R. Co.....747
Cotsonas Geb. & Co.....755	Pierson U Bar Co.....761
Cowee W. J.....755	Pieters A. J. Seed Co.....749
Craig, Robt. Co.....734	Pittsburg Cut Flo. Co.....744
Crane H. L.....736	Poehlmann Bros. Co.....752
Crawback Geo. W.....755	Pratt B. G. Co.....761
Dingee & Conard Co.....734	Pulverized Manure Co.....748
Doane Geo. B. & Son.....763	
Dorner F. Sons & Co.....734	Quaker City Machine
Dreer H. A.....762	Co.....763
Dunlop John H.....750	Raynor John I.....734
Dysart R. J.....751	Reed & Keller.....755
East Sudbury Green-	Reinberg Peter.....752
houses.....734	Reuter S. J. & Son
Edwards Folding Box	Inc.....734
Co.....752	Rhodes Mig. Co.....752
Eliott Wm & Sons.....748	Rice Bros.....752
Euler J. G.....752	Rickards Bros.....749
Ernest W. H.....760	Robinson H. M. & Co.....752
Eyres.....750	Rock Wm. L. Flo. Co.....755
Farquhar R. & J. & Co.....749	Roehrs Julius Co.....745-747
Finger W. A.....745	
Fiske, H. E. Seed Co.	Roper Albert.....734
749-761	Roland, Thomas.....734
Foley Mfg. Co.....763	Rolker August & Sons.....762
Ford Bros.....754	Rose Hill Nurseries.....735
Froment H. E.....754	
Galvin Thos. F.....750	Salford Geo.....754
Greater N.Y. Florists'	Sander & Son.....745
Association.....755	Schultheis Anton.....735
Grey T. J. Co.....749	Schulz Jacob.....751
Growers' Cut Flower	Scott, John.....735
Co.....754	Sharp, Partridge & Co.....762
Gude Bros. Co.....750	Sheridan W. F.....754
Guttman Alex. J.....754	Siggers & Siggers.....762
	Simpson Robt.....748
Hall Asso.....762	Situations & Wants.....761
Hartmann Hjalmar &	Slinn B. S. Jr.....754
Co.....749	Smith Elmer D. & Co.....747
Hauswirth M. C. & J. E.....750	Smayth Wm. J.....750
Heacock Jos. & Co.....747	Standard Plate Glass
Henshaw & Fenrich.....755	Co.....762
Herbert David & Son.....747	Stearns A. T. Lumber
Bews A. H. & Co.....760	Co.....763
Hilfinger Bros.....760	Stump & Walter Co.....761
Hill, The E. G. Co.....734	Sunlight Double Glass
Hippard E.....762	Nash Co.....762
Hitchings & Co.....764	Swayne Wm.....750
Hoffman.....751	
Hoopes Bro. &	Tailby.....751
Thomas Co.....736	Thorburn J. M. & Co.....749
Horan E. C.....754	Totty Chas. H.....734
Houghton F. H.....750	Traendly & Schenck.....754
Hunt E. H.....761	Trepel C. C.....750
	Twomey D. J.....736
Kentucky Tobacco	
Product Co.....760	Valentine, J. A.....750
Kershaw.....749	Varola F. C.....749
Kervan The Co.....755	Vincent R. Jr. & Sons.....734
Kessler, P. F.....754	
King Cons. Co.....762	Wab n Rose Conser-
Knopf, Chas., Floral Co.....734	vatories.....745
Kopcsay Jos.....763	Waterer John & Sons.....736
Kroeschell Bros. Co.....761	Weathered Co.....763
Kuebler Wm. H.....755	Weber F. C.....750
	Welch Bros.....752
Lager & Hurrell.....745	Whilldin Pottery Co.....760
Langjahr, Alfred H.....754	Williams H. B.....749
Leonard Seed Co.....749	Wilson.....750
Leuthy A. & Co.....755	Winterson, E. F. Co.....752
Lord & Burnham Co.....764	Witthold Geo. Co.....735
Lutton W. H.....765	Wood Bros.....747
	Woodrow Sam'l A.....751
Manda Jos. A.....745	Yokohama Nursery Co.....745
MacMullen E. A.....750	Young A. L.....755
McCarthy N. F. & Co.....755	Young John.....755
McConnell Alex.....750	Young & Nugent.....750
McKellar Charles W.....750	
McKissick, W. E. &	Zinn Julius A.....751
Bros.....752	Zvolane A. C.....749

## "SCALECIDE"

PRATT'S

WILL POSITIVELY DESTROY SAN JOSE SCALE, AND ALL Sucking insects without injury to the tree. Simple, more effective and cheaper than lime sulphur. Not an experiment. Write for FREE sample and explanation of treatment to florists and entomologists who have used it for years. Prices: 50-gal. bbl., \$25.00; 10-gal. tin, \$15.00; 1-gal. can, \$6.00; 1/2-gal. can, \$3.25; 1-oz. can, \$1.00. f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water. "Pocket Diary and Spray Calendar for 1909 sent FREE." Mention this paper.  
B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W., NEW YORK CITY.

### HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

WANTED—Experienced rose grafter to take charge of that department in a large greenhouse establishment. Address, stating qualifications, L. R. G., care HORTICULTURE.

WANTED—A working nursery foreman and salesman, one who understands the value of imported plants. Reply to Salesman, care this paper. Correspondence considered private.

WANTED—Steady, reliable man with good references; capable of growing roses, carnations and general stock. Permanent position. State wages and experience. Address, Box 1143, Ogdensburg, N. Y.

HELP WANTED—Experienced man to take charge of our plant and bulbous department. S. J. Reuter & Son, Inc., Westbury, R. I.

### SITUATIONS WANTED

SITUATION WANTED—By first-class florist, nurseryman and grower of vegetables and fruits; aged 33, single; speaks German, Russian, Polish and English. 18 years' experience; best of European references. Three years in this country; commercial or private place. Salary expected, \$15.00 per week; now open for engagement. George Bakaitis, 38 John St., Westbury, R. I.

### FOR SALE

## FOR SALE

On Favorable Terms

The Mosbaek Greenhouse Co. offer their plant at Onarga, Illinois, for sale. This plant consists of Eight Modern Greenhouses each 25 x 100 ft., well equipped with Ferns and Bedding Plants of all kinds, and several acres of Perennials. Also a good sized dwelling house and five acres of land adjoining; also leasehold for 47 acres of additional rich land, about one-half of which is set to Asparagus and Pieplant. The business is mainly wholesale—very little retail business being done. Any one interested will be furnished with detailed information on application to

### THE MOSBAEK GREENHOUSE CO.

ONARGA, ILLINOIS

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

### MISCELLANEOUS WANTS

WANTED—Alsophila australis, in smaller sizes. State price and quantity in stock. J. F. Anderson, Short Hills, N. J.

SITUATION WANTED—By practical landscape gardener and florist; private or commercial, middle aged married. J. Hodge, 14 West St., Fitchburg, Mass.

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

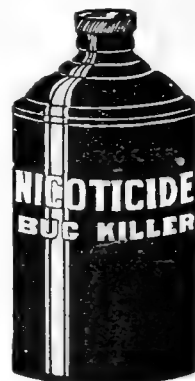
Send for full information of

H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.



## The Best Bug Killer and Bloom Saver

For PROOF Write to

P. R. Palethorpe Co.  
OWENSBORO, KY.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants it covers large surface.  
One Quality for Both Uses.

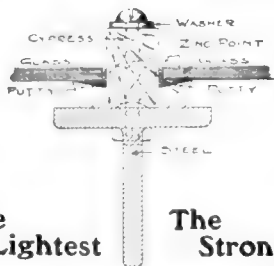
Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

STUMPP & WALTER CO.  
50 Barclay St., New York

### MISCELLANEOUS WANTS

WANTED—Large Coster's Blue Spruce running from 5 ft. to 8 ft. high. State size and price and how many you can supply to J. H. Troy, care The Rose, 20 East 34th St., New York

## The Payne Steel "T" Bar Greenhouses



The Lightest      The Strongest

Half Full Size

HOUSES of this type are constructed with both curved glass eaves and straight glass eaves. Least amount of shadow. Least amount of wood. No drip. Greatest durability.

### JOHN A. PAYNE

Greenhouse Designer and Builder

260-274 Culver Avenue

**JERSEY CITY, N. J.**

**BOSTON PLATE & WINDOW GLASS CO.**

**GREENHOUSE GLASS**

German and American

261 to 287 A St., Boston 20-22 Canal St.

**Holds Glass Firmly**  
See the Point **FULL SIZE No. 2**  
**PEERLESS**  
Glazing Points are the best. No cracks or leaks. Box of 1000 points 75 cts. postpaid.  
**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.

**USE THE BEST.**  
**Economy Greenhouse Brackets**  
are used by leading growers everywhere. Send for price list and descriptive circular.  
**BUXTON & ALLARD, Dept. A, Nashua, N. H.**

**The FLORISTS' HAIL ASSOCIATION OF AMERICA,** insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Ester, Sec'y Saddle River, N. J.**

### NEW HEATING APPARATUS.

Redondo Cal.—Edw. Kirby has installed new boilers.

Nantucket, Mass.—J. H. Watts has introduced hot water heating into his greenhouses.

Redding, Conn.—The Pierson U-Bar Co. are erecting one of their U-Bar conservatories at Commodore Luttgen's new summer place on Sunset Hill. Lipps & Co. landscape gardeners, have shipped thousands of trees and shrubs and are at present shipping some very fine Picea pungens, 20 to 30 feet high, from Mr. Luttgen's old country home at Litchfield, N. J.

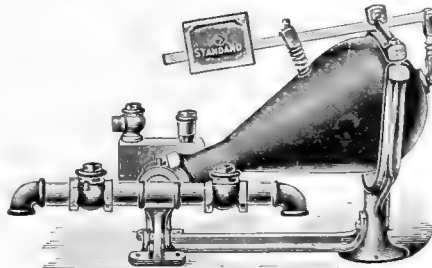


ADDRESS  
**Sunlight Double-Glass Sash Company**  
929 East Broadway      LOUISVILLE, KY.

### The double layer of glass does it

Lets in the light always.  
Never has to be covered or uncovered; no boards or mats needed.  
Retains the heat, excludes the cold.  
Makes stronger and earlier plants.  
Glass slips in; no putty; cannot work loose; easily repaired.  
Ask for 'catalog W' It tells all about Sunlight sash.  
Special catalog for greenhouse material.

## THE STANDARD STEAM TRAP



is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

**E. HIPPARD**

YOUNGSTOWN, OHIO

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

**FRENCH OR AMERICAN GREENHOUSE GLASS**

LOWEST PRICES ON REQUEST

26-30 Sudbury St.      BOSTON, MASS.      61-63 Portland St.

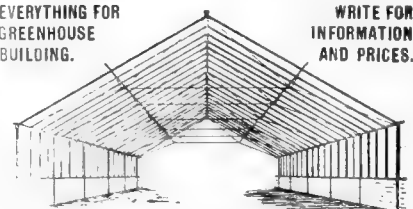
**GLASS** Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

**RHODES DOUBLE CUT PRUNING SHEAR**  
  
Pat'd June 2, 1903.  
Dept. R      **RHODES MFG. CO.,**  
GRAND RAPIDS, MICH.

THE only pruner made that cuts from both sides of the limb and does not bruise the bark. Made in all styles and sizes. We pay Express charges on all orders. Write for circular and prices.

**PATENTS**  
Trademarks and Copyrights  
Send your business direct to Washington  
Saves time and insures better service  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure of Others."  
**SIGGERS & SIGGERS**  
PATENT LAWYERS  
Box 9, National Union Building  
Washington, D. C.

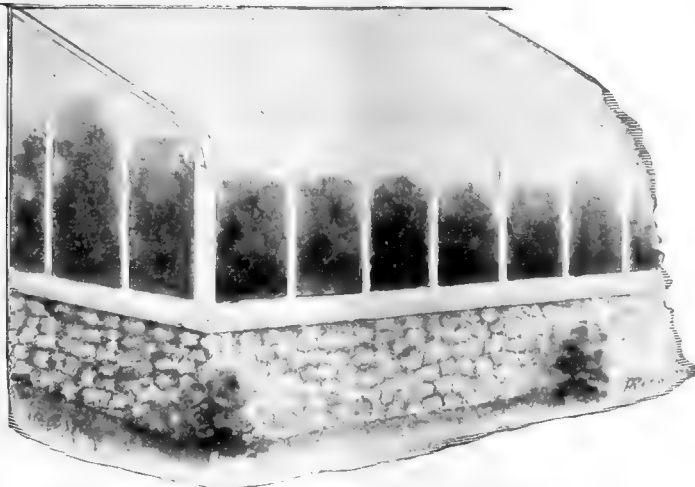
EVERYTHING FOR  
GREENHOUSE  
BUILDING.



WRITE FOR  
INFORMATION  
AND PRICES.

King Greenhouses      King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

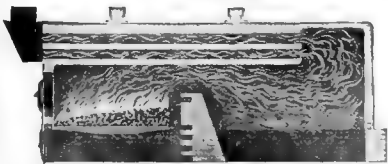


### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Where to buy is the question to decide now before you are ready to build, send for our new printed matter, look into the merits of our line, compare it with others — its principles, its light running, lasting qualities, and fair prices, and follow this up with a trial order. You will then know that we have the machine that does its work first class — better than all others. See our new pipe carriers, new pipe couplings, new shelf brackets, etc.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO. CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for the Catalogue to  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

See List of New Offers in This Issue.  
Page 760.

## THE WEATHERED COMPANY

erect the house of

### GREATEST SUNLIGHT

Iron Frame Semi-Iron Frame  
or All-Sash-Bar Houses  
Erected or Material Furnished

Send for Catalogue

P. O. Address Box 739  
NEW YORK CITY N. Y.

## GREENHOUSE CONSTRUCTION LUMBER

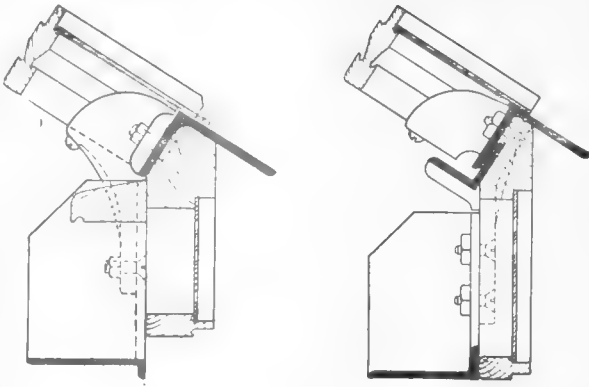
**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.



Awarded diploma and medal,  
1907, for the celebrated

Shower Maker, \$1.00

Dealers and jobbers, ask for sample, price and electros for catalogs.  
**JOSEPH KOPCSAY,** South Bend, Ind.

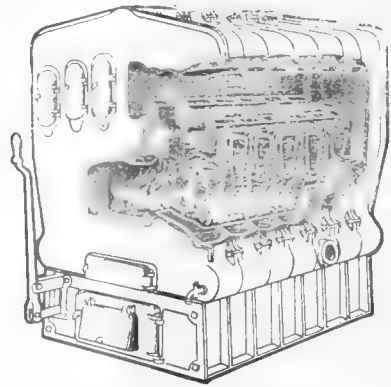


## EAVE PLATES

Here are two kinds: our regular Standard Galvanized Steel Eave, which is the simplest and most practical—and the same plate equipped with a Galvanized Steel Drip Gutter. This last is a combination which we patented as long ago as December, 1901.

Both these plates have the cast iron roof bar brackets which firmly secure the bars to the plates and prevent end rot.

**Hitchings & Company**  
1170 Broadway New York



## AS A RESULT EVERY SECTION OF *The Burnham* IS EQUALLY EFFICIENT

The deep cross fire channels with side flue openings do the principal part—the three times back and forth fire travel does the rest. No other boiler has these features.

Burns any kind of fuel.

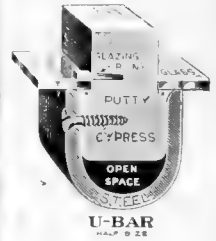
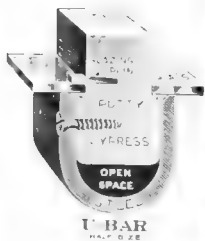
Get our catalog.

**Lord & Burnham Co.**

Main Sales Office: 1133 BROADWAY, N.Y.

BOSTON: 819 Tremont Building.

PHILADELPHIA: 1215 Filbert St.



## MORE U-BAR—WHYS

We might boil it down to five words—**Make; lightest house; increases endurance.** All the arguments of all the greenhouse concerns hinge on **our five words.**

When a house becomes a standard for comparison—such as "It is nearly as light as the U-Bar," or "It is not as rigid as the U-Bar house," it is because the U-Bar construction is conceded to be in advance of all others. It is the ideal construction for private estates, parks, public institutions and florists' show rooms. Send for catalog.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK

# HORTICULTURE

Vol. VIII. DECEMBER 12, 1908 No. 24



DEVOTED TO THE  
FLORIST, PLANTSMAN, LANDSCAPE GARDENER AND KINDRED INTERESTS  
PUBLISHED EVERY SATURDAY AT 11 HAMILTON PLACE, BOSTON, MASS.  
SUBSCRIPTION, \$1 00 PER YEAR





# Here are Holiday Goods that Sell at Sight

We don't boast of doing a Cheap-John business but our goods are always as represented, orders are filled on time and our prices are rock-bottom and will stand comparison with any in the country for goods of equal value.

## Immortelle Bells

ALL SIZES



# XMAS RED

## Immortelle Wreaths

Immortelle Stars



## Bunch Immortelles

ANY QUANTITY

## Berried Holly Wreaths

READY TO SHIP NOW

## Prepared Goods and Novelties

Statice Wreaths, all sizes; Statice, natural or dyed; Ruscus Wreaths, Green Moss Wreaths, very fine; Crosses, Stars, Pillows, etc. of Green Moss; Magnolia Wreaths, plain, bronze, green; Fern Fronds, Adiantum, Pteris, etc.; Beech Sprays, green, bronze, cherry red, leather red; Sea Moss; Magnolia Leaves, bronze and green, unfading substitute for galax; Cycas Leaves. These dried and prepared natural products are very desirable to keep in stock, being equally serviceable for use in either dried, artificial or fresh work and on sudden call they will save many a dollar and much vexation when fresh material is not always within reach.

## Fine Specialties

Flower Baskets, all materials, best workmanship; Plant Baskets, Ferneries and Jardinieres; China Novelties, autos, baskets, shoes, etc.; Tone Ware Vases, new designs and styles of unequalled beauty; Artificial Poinsettias, Orchids and other popular flowers; Violet Hampers, Cords, Tassels, Chiffon; Waterproof Paper, all colors; Pleated Paper; Flower Pot Covers; Wood Chiffon Ribbon; Birch Bark Crosses, all sizes; Porto Rican Mats, the flexible kind; Wheat Sheaves, best in the world, our own manufacture; Cape Flowers, bright colors; Immortelles, fresh importation.

***Order Now and You'll Get the Goods at Right Time.***

PRICE LISTS READY

# H. BAYERSDORFER & CO.,

THE FLORISTS' SUPPLY HOUSE OF AMERICA

1129 Arch St., Philadelphia, Pa.

# S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia  
1608 to 1620 Ludlow Street

**CHRYSANTHEMUMS**, Jeanne Nonin, Very Choice Stock, \$2.50 to \$3.00 per dozen. \$20.00 per hundred.

**CYPRIPEDIUMS**. \$15.00 per hundred. Special Prices in Quantity.

## Rooted Carnation Cuttings

NEW INTRODUCTIONS.		100	1000
Mrs. Chas. Knopf (Light Pink) Knopf.....	\$12.00	\$100.00	
Ruby (Crimson) Knopf.....	12.00	100.00	
Pink Pearl (Shell Pink) Manda.....	12.00	100.00	
Bay State (Variegated) Roper.....	12.00	100.00	

### STANDARD VARIETIES.

#### WHITE.

	100	1000		100	1000
Sarah Hill .....	\$6.00	\$50.00	White Enchant.....	\$3.50	\$30.00
Pres. Seelye.....	6.00	50.00	White Perfect.....		
Lloyd .....	5.00	40.00	tion .....	2.50	20.00

PINK.					
	100	1000		100	1000
Splendor .....	6.00	50.00	Aristocrat .....	3.00	30.00
Winona .....	6.00	50.00	R. P. Enchant.....	2.50	20.00
Afterglow .....	6.00	50.00	Enchantress .....	2.50	20.00
Welcome .....	4.00	35.00	Lawson .....	2.50	20.00
Winsor .....	3.50	30.00			

#### RED.

Beacon .....	3.50	30.00
--------------	------	-------

#### VARIEGATED.

Mrs. Patten.....	2.50	20.00	Victoria .....	50.00
------------------	------	-------	----------------	-------

Place Your Holiday Orders for Flowers, Holly and all Needed Supplies Now.

The Usual  
Guarantee



Backs All  
Our Goods



Canton China Plant-Pot.



Canton China Hall-Seat or Plant-Pot Stand.

## PLANT POTS

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potters' art, to our importations of English, French, German, Japanese, Chinese, India and Fitzhugh, also Domestic **Plant Pots** or **Jardinières**, selected by our buyers at the places of production in the present season. More than one hundred to choose from, many of which have pedestals. Ranging from the low cost up to the very very large and costly ones.

Also a large variety of **Garden, Hall and Piazza Seats**.

Our stock of **China and Glass** occupies ten floors and more than 10,000 bins.

Wholesale and Retail.

## Jones, McDuffee & Stratton Co.

China, Glass and Lamp Merchants

33 Franklin, Corner Hawley Streets, BOSTON, Mass.

Near Summer and Washington Sts.

JEROME JONES, Pres.

S. P. STRATTON, Treas.

## EVERYBODY KNOWS

That the Demand for Plants for Holiday Sales has been Growing Rapidly for Years.

## THE PUBLIC LIKE THEM AND FLORISTS KNOW WHY

This establishment is the Only Central Wholesale Exclusively Plant Market in New York. It is the Distributing Depot for a number of the Best Growers and You Can Secure What You Require If You Order Now.

## WE ARE BOOKING ORDERS

for Lorraine Begonias, Poinsettias in pots or pans, Azaleas in bloom, Ardisias, Ericas, Primula Obconica, Cyclamens, Dracaena Terminalis, Table Ferns, Adiantum Farleyense and all classes and sizes of Palms AT GROWERS' PRICES.

### EXPERIENCED PACKERS.

## SAMUEL A. WOODROW,

Wholesale Plantsman

Tel. 2083 Madison Sq.

53 West 30 St. NEW YORK

## CRAIG'S CHRISTMAS SPECIALTIES

### AZALEAS

Our stock this year is exceptionally fine, and includes all the best varieties for Christmas, such as Mad. Petrick, Apollo, Heye, Simon Mardner, Pauline Mardner, Vervaeana and Deutsche Perle.  
Fine plants, \$.75, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$4.00, \$5.00 and \$6.00 each

### BEGONIA GLOIRE DE LORRAINE

We have a larger stock of this beautiful plant than ever before, and the quality is of the very best.

3-inch pots .....\$20.00 per 100  
4-inch pots .....\$35.00 per 100  
5-inch pots .....\$6.00 and \$9.00 per doz.  
6-inch and 7-inch pots  
\$9.00, \$12.00 and \$15.00 per doz.  
8-inch pots .....\$24.00 and \$30.00 per doz.

### GLOIRE DE LORRAINE "MRS. LONSDALE"

This lighter pink is a fine keeper, much more durable than the older variety. Sizes and prices the same as the deep pink Lorraine.

### OTAHEITE ORANGES

Exceptionally fine plants, with from 6 to 15 fruits .....\$25 per fruit  
4-inch pots, with from 3 to 5 fruits, just the thing for made up baskets, 8.50 and \$7.50 per plant

### AUCUBA JAPONICA (Berried)

One of the most showy and durable house plants.  
Fine, bushy plants, well berried \$15.00, \$18.00 and \$24.00 per doz.

### CROTONS

Very handsome, well-colored plants; fine varieties.  
3-inch pots .....\$20.00 per 100  
4-inch pots .....\$25.00 per 100  
5-inch pots .....\$50.00 per 100  
6-inch pots .....\$10.00, \$12.00 and \$15.00 per doz.  
Plants made up with ferns \$1.50, \$2.00, \$2.50, \$3.00 and \$3.50 each  
Larger plants, \$5.00, \$6.00 and \$7.50 each

### NEPHROLEPIS SCOTTII

The best lot of this variety we have ever offered.

5-inch pots .....\$35.00 per 100  
6-inch pots .....\$6.00 and \$9.00 per doz.  
7-inch pots .....\$9.00 and \$12.00 per doz.  
8-inch pots .....\$12.00 per doz.  
10-inch pots .....\$18.00 and \$24.00 per doz.

### NEPHROLEPIS BOSTONIENSIS

6-inch pots .....\$5.00 per doz.  
8-inch pots .....\$12.00 per doz.  
11-inch buckets .....\$24.00 per doz.

### NEPHROLEPIS AMERPOHLII

"Philadelphia Lace Fern." The most beautiful of the Nephrolepis family.  
4-inch pots .....\$25.00 per 100  
3-and 6-inch pots .....\$5.00, \$7.50 and \$1.00 each

### NEPHROLEPIS TODEAOIDES

"The London Fern." The best of the upright growing varieties.  
6-inch pots .....\$5.00, \$7.50 and \$1.00 each  
8-inch pans .....\$15.00 per doz.  
10-inch pans .....\$24.00 per doz.

### NEPHROLEPIS WHITMANII

One of the very best  
4-inch pots .....\$15.00 per 100  
5-inch pots .....\$5.00 per doz.  
6-inch pots .....\$8.00 and \$9.00 per doz.  
Larger plants .....\$1.00 to \$3.50 each

### ADIANTUM HYBRIDUM

4-inch pots .....\$12.00 per 100

### PTERIS WILSONII

The best of the Pteris family  
2-inch pots .....\$4.00 per 100  
3-inch pots .....\$7.00 per 100

### SOLANUM CAPSICUM

Good strong plants, well berried  
6-inch pots .....\$6.00 per doz.; \$45.00 per 100

### FICUS PANDURATA

The best House Plant to date. More regular than ever.  
Single stem plants, \$2.00, \$2.50, \$3.00, \$4.00, \$5.00 and \$6.00 each  
Branched plants, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each

### ARECA LUTESCENS

5-inch pots, 3 plants to a pot, 15 to 18 inches tall .....\$6.00 per doz.  
6-inch pots, 3 plants to a pot, 20 to 24 inches tall .....\$9.00 per doz.

### DRACAENA TERMINALIS

Well-colored plants.  
2½-inch pots .....\$15.00 per 100  
3-inch pots .....\$20.00 per 100  
4-inch pots .....\$25.00 per 100  
5-inch pots .....\$50.00 per 100  
6-inch pots .....\$75.00 per 100  
Made up plants, 3 Dracaenas and ferns \$1.50 each

The 2-inch and 4-inch plants are in fine shape for basket work, etc.

### DRACAENA MASSANGIANA

The variety with the golden stripe down the centre of the leaf.  
5-inch pots .....\$12.00 per doz.  
6-inch pots .....\$15.00 per doz.  
Larger plants \$3.00, \$3.50, \$4.00 and \$5.00 each

### DRACAENA FRAGRANS

Nice, shapely plants in 6-inch pots \$6.00 and \$9.00 per doz.

### PANDANUS VEITCHII

Well-colored plants.  
4-inch pots .....\$4.00 per 100  
5-inch pots .....\$9.00 per doz.; \$65.00 per 100  
6-inch pots .....\$12.00 per doz.; \$90.00 per 100  
Larger plants .....\$1.50 and \$2.00 each

### ASPARAGUS PLUMOSA

2-inch pots .....\$4.00 per 100, \$35.00 per 1000  
5-inch pots .....\$7.00 per 100, \$65.00 per 1000

### ARAUCARIA EXCELSA

5-inch pots 12 in. high .....\$7.50 each  
6-inch pots 18 to 24 in. high \$1.00 and \$1.50 each

ARAUCARIA ROBUSTA COMPACTA  
4-inch pots .....\$1.75 each

**ROBERT CRAIG COMPANY, 49th and Market Sts., PHILADELPHIA, PA.**

# THE CYCLAMEN FOR CHRISTMAS

There are many places where flowering plants are in good demand but the CYCLAMEN as a Christmas plant is hardly known. My CYCLAMENS exhibited at the National Flower Show in Chicago were awarded a Bronze Medal. They are well flowered and will sell at sight.



## Roland's

## Cyclamen

Introduce them to your customers. They ship well, are good keepers and can be sold with a good profit at popular prices.

PRICES: \$6.00, \$9.00, \$12.00, \$18.00, \$24.00, \$30.00 and \$36.00 per dozen  
From 5 inch to 8 inch Pots

**THOMAS ROLAND, - NAHANT, MASS.**

## WE ARE HEADQUARTERS FOR THE **RIGHT STOCK OF WHITE KILLARNEY**

There are other white sports of Killarney, but the stock which we offer — the WABAN variety — is very much superior to all others

### ***When You Buy From Us***

You get stock of the variety exhibited by us and the Waban Rose Conservatories this Fall, which was awarded the silver cup at the National Flower Show at Chicago, Silver Medal, Horticultural Society of New York, and Silver Medal, Massachusetts Horticultural Society, Boston. It undoubtedly is

### ***The Best White Rose Ever Introduced***

Our attention was called to this rose last winter, and recognizing its great value as soon as we saw it, we purchased half the stock. We are growing it in large quantities in our Scarborough greenhouses, and will be glad to have any one interested in it visit us and see it growing.

The large growers, instantly recognizing its value, have placed orders for large quantities, so that our advance orders are very large, and the demand promises to be very heavy, judging by the number of orders already booked; but we have enough stock either potted or rooted to fill advance orders, so that we can still promise early delivery and first-class stock on all orders received now.

### ***Order at Once to Ensure Early Delivery***

Orders will be filled in rotation as booked, delivery beginning March 1st, 1909.

**Strong Plants, 2 1-2 in. pots, own-root, \$30.00 per 100; 250 for \$70.00; 500 for \$125.00; 1000 for \$250.00**  
**Grafted Plants, \$5.00 per 100 additional**

FOR LIST OF SURPLUS BULBS, SEE ISSUE OF NOVEMBER 21st, PAGE 679

**F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK**





# AZALEAS, RHODODENDRONS AND OTHER Florists' Plants

Our stock of Azaleas and Rhododendrons is exceptionally fine this season. Everybody who intends to buy should inspect the plants we offer. We can fill orders of any size.

**AZALEAS.** Apollo, Comte Oswald de Kerchove, Deutsche Perle, Imperatrice des Indes, Mad C Van Langenhove, Mme. Van der Cruyssen, Paul Weber, Raphael, Simon Mardner, T. Hisman, Bernard Andreas alba, De Schryveriana, Empereur du Bresil, John Llewelyn, Mme. Jos. Vervæne, Nube, Prof. Wolters, Sigismund Rucker, Souv. du Prince Albert, Vervæneana.



	Doz.	100
8 to 10 in. diam.	\$3.50	\$25.00
10 to 12 " "	4.50	35.00
12 to 14 " "	6.00	45.00
14 to 15 " "	7.50	60.00

	Doz.	100
15 to 16 in. diam.	\$9.00	\$75.00
16 to 18 " "	12.00	90.00
18 to 20 " "	25.00	200.00
20 to 24 " "	36.00	300.00

## RHODODENDRONS

in all bright colors; fine forcing varieties, good value.....\$6.00, \$9.00, \$12.00, \$15.00 and \$18.00 per dozen.,

## POT GROWN.

	Doz.	100
Acacia Paradoxa.....	\$12.00	per doz.
Aspidistra, green.....	\$75.	\$1.00 and \$1.50 ea.
Aspidistra var egtd.....	1.00, 1.50	2.00 "
Araucaria fœxelsa, fine plants,	\$6.00	and \$9.00 per dozen.
Deutzia Gracilis.....	\$2.00	\$15.00
Double Flowering Cherry.....	15.00	
English Hawthorn Dbl. Scarlet	12.00	
Erica Herbacea.....	3.00	
Lilac Charles X, Marie Le Graye, extra size, for 8-9 in. pots.....	9.00	
Malus (Flowering Crab).....	12.00	
Prunus Triloba, Standard.....	15.00	
Prunus Triloba, Bush.....	9.00	
Orange Plants well fruited	\$1.50, \$1.00, \$1.50	and \$2.00 each

	Doz.	100
Starhylla Colchica.....	\$9.00	
Vib. num Opus.....	6.00	
Weigela, fva Karkhe.....	12.00	
Wistaria, Blue.....	12.00	

## FIELD GROWN.

	Doz.	100
Aucuba Variegata (for window boxes).....	4.00	
Aucuba, Variegata fine plants,	9.00	
Azalea Mollis.....	4.50	\$35.00
Dielytra Spectabilis.....	6.00	
Kalmia Latifolia.....	9.00	
Magnolia, pink.....	\$1.50	to \$2.50 each
Spirea Gladstone.....	\$10.00	

**ROSES,** HYBRID PERPETUAL low budded, 2 year old, finest stock ever received, following varieties, \$12.00 per 100; \$100.00 per 1000. General Jacqueminot, La France, Paeonia, Ulrich Brunner, Baron Bonstettin, Marie Baumann, three Kaiserins, white, red and pink, Clothilde Soupert, Baroness Rothschild, Mrs. John Laing, Mrs. Planter, Frau Karl Druschki, Mrs. R. G. Sharman Crawford.

**TEA AND POLYANTHA,** following varieties, \$12.00 per 100. Maman Cochet, pink, Maman Cochet, white, Agrippine, red, K. A. Victoria, Hermosa, pink.

	Doz.	100
<b>CRIMSON RAMBLER</b> following sizes and prices:		
2 yr. old, 2-3 ft., well branched, own roots.....	\$2.00	\$12.00
2 yr. old, 2-3 ft., " " budded.....	2.00	12.00
3 yr. old, 3-4 ft., " " own roots.....	3.00	15.00
3 yr. old, 3-4 ft., " " budded.....	3.00	15.00

	Doz.	100
<b>DOROTHY PERKINS,</b> strong, field grown.....	\$2.00	\$15.00
<b>LADY GAY,</b> 2 yr. old.....	15.00	
<b>BABY RAMBLER,</b> Dormant, field grown, selected, budded plants.....	2.50	16.00
<b>ANNY MUELLER,</b> (Pink Baby Rambler) Dormant plants, 2 yr. old.....	10.00	

**BAY TREES,** Standards and Pyramids, all sizes. Ask for Prices.

**KENTIAS,** The handsome est lot in the country. Ask for Prices.

WE HAVE A FINE SELECTION OF NURSERY PRODUCTS. SHALL BE PLEASED TO GIVE SPECIAL PRICES ON LISTS.

ASK FOR WHOLESALE CATALOG.

**BOBBINK & ATKINS NURSEYMEN and FLORISTS Rutherford, N. J.**

## CARNATIONS

	Rooted Cuttings. Fine Healthy Stock	Per 100	1000
Pres. Seelye.....		\$6.00	\$50.00
Winsor, White Enchantress, Beacon.....		4.00	35.00
Kingston Pet, Enchantress, Lady Bountiful, Melody, Mrs. T. W. Lawson, White Lawson, Variegated Lawson, Red Lawson.....		3.00	25.00
		2.50	20.00

WOOD BROTHERS, - Fishkill, N. Y.

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,** Successors to L. K. Peacock, Inc. ATCO, N. J.

**The Northboro Dahlia and Gladiolus Gardens**

**Offer for Spring 1909**

300 selected varieties of Dahlias and one and one half million large-flowering Gladioli in mixtures, in lots to suit. Send list of your wants. Catalogue free.

**J. L. MOORE, Northboro, Mass.**

**PEACOCK'S NEW DAHLIAS**

SEND FOR LIST

**PEACOCK DAHLIA FARMS** Williamstown Junction, N. J.

## New White Carnation "MARCHIONESS"

Originated by the late Louis E. Marquisee

Of fine form, strong clove fragrance, flowers full 3 to 3½ inches. It is extremely prolific, maturing flowers quickly, early and continuously.

**IT IS THE BEST MONEY MAKER EVER PUT ON THE MARKET.**

\$10.00 per 100. \$80.00 per 1000.

Orders will be filled strictly in rotation. Come and see it at "Home."

**LOUIS E. MARQUISEE ESTATE, Syracuse, N. Y.**

## New Carnation Edward

This new seedling Carnation is a wonder for producing flowers, full of business from start to finish, continuous throughout the season, can't be beat for productiveness, easily grown and propagated. **Description:** Deep pink in color, very large and well built up in center with good stem and calyx. Comes into bloom early and keeps at it with wonderful results. \$12.00 per 100; \$30.00 per 1000. Will be heard from with others in the future.

**W. H. SHUMWAY,**

**Berlin, Conn.**

**CHAS. H. TOTTY**  
**Chrysanthemums**  
**MADISON, N. J.**

## CHRYSANTHEMUMS

Strong stock from benches: White: Linwood Hall, 25c. each. Timothy Eaton, Mrs. Geo. S. Kulp (fine, early), F. S. L. L. W. Bonington, Alice Byron, Ivory, C. T. T. J. Nonin, Pink: Glory of the Pacific, Dr. Englehard, M. Dean, Yellow: M. Bonington, Cremo, Halliday, Yellow Jones, "Baby," \$1.00 per dozen; \$5.00 per 100. Cash with order.

WM. SWAYNE, Box 226, KENNETT SQUARE, PA.



## PHOTO OF WHITE KILLARNEY

taken August 15, 1908  
from stock planted June  
1, 1908.

Order Your Plants Direct from Us

## WABAN ROSE CONSERVATORIES Natick, Mass.

Own Roots, delivery February  
15, 1909, \$5.00 per dozen  
plants, \$30.00 per 100, \$70.00  
per 250, \$125.00 per 500,  
\$250.00 per 1000, \$562.50  
per 2500, \$1010.00 per 5000.  
Grafted stock, for March 1,  
1909, \$5.00 per 100 extra.

## NEWPORT FAIRY

THE ROSE OF THE FUTURE FOR IN AND  
OUT DOOR.

Fine, Strong, Field-Grown Stock

3-4 Shoots 3-4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.**  
RUTHERFORD, N. J.

Hardy Rhododendrons Azaleas Con-  
ifers, Clematis, H. P. Roses, Shrubs  
and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

P. OUWERKERK, 216 Jane St., Weehawken Heights,  
P. O. No. 1 Hoboken N. J.

**CLEARY'S HORTICULTURAL CO.**

Management: AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
of every description.

Consignments Received. Surplus Stock Converted  
62 Vesey St., NEW YORK

## Box Trees

in other EVERGREENS - Tubs and Boxes  
Our Prices are Always Right Catalog Free  
**THE NEW ENGLAND NURSERIES, Inc.**  
BEDFORD, MASS.

## ROOTED CUTTINGS, YOUNG ROSE PLANTS.

ON ORDER ONLY.

	R. C.	2 1/4 in Pots.	
MRS. JARDINE.....	6 cts. each	\$10.00 per 100	\$90.00 per M.
MY MARYLAND.....	6 "	10.00 "	90.00 "
KILLARNEY.....	3 "	5.00 "	45.00 "
RICHMOND.....	2 "	4.00 "	35.00 "
FRANZ DEEGAN.....	2 "	4.00 "	35.00 "

5% discount for cash on delivery.

**BENJAMIN DORRANCE,**  
ROSE GROWERS

3 Dorrance Farm,

Dorranceton, Penna.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

**JOHN WATERER & SONS. LD.**

AMERICAN NURSERY

BAGSHOT.

ENGLAND

## 1000 Dorothy Perkins,

three years, 6 to 8 branches,  
five to eight feet, fine for forc-  
ing, \$10.00 per 100, also a fine  
lot of *Prunus Triloba*, three  
to four feet, nicely branched, and *Deutzia Gracilis*, eighteen to twenty-four inches.

**HOOPEBRO. & THOMAS COMPANY**

MAPLE AVENUE NURSERIES,

WEST CHESTER, PA.

## Table Centre Pieces of Growing Plants

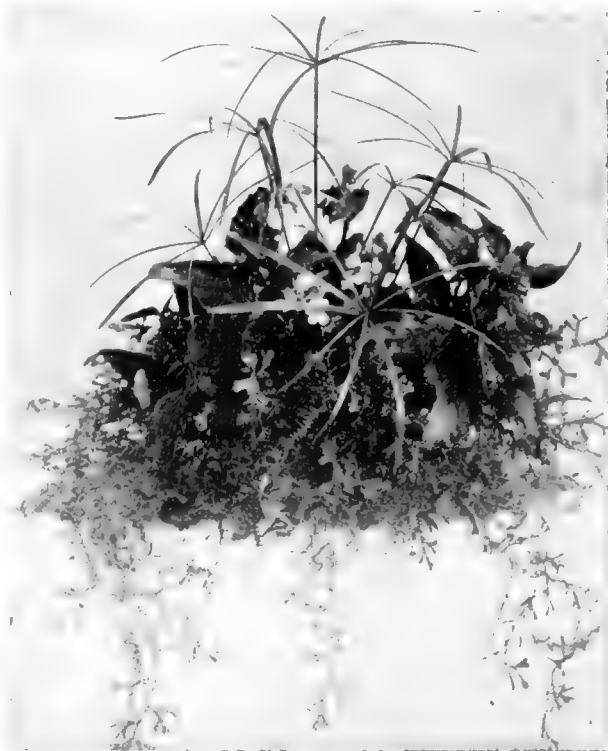
A well-dressed centrepiece is a decided addition to the ornamentation of a dining room and the absence of it makes a table look bare and unfurnished.

With the pans ordinarily supplied for this purpose it is difficult to fill them so that the plants will thrive for any length of time. They are too shallow to allow the use of sufficient soil to keep the plants going.

A person purchasing one of these centrepieces gives first attention to the ornamentation of the pan and if this passes muster regardless of its depth, or rather, lack of depth, the question of what to put in it, is discussed. Something very dainty of course to harmonize with these or those furnishings in the room but while these plants must be delicate to a superlative degree, they must also be as tough as boarding-house steak. No consideration is given to the fact that the rooms are furnace or steam-heated, that the temperature is now high and blistering, again low and chilling. This should have no bearing on the case as any collection of plants should be stimulated to luxuriant growth when placed in one of the many artistic metal creations used for centre pieces!

About two weeks in a house works a decided change in the appearance of the plants, and a couple of weeks further stay makes it look as unattractive as a chicken with the "pip." Then comes the reckoning. The pan is sent back to the florist with an impersonal note, bristling with sarcasm, in which the capability of the florist is questioned in no pleasant terms. Such things are calculated to cut deep.

It would be well to explain that to keep a centrepiece looking fresh and attractive it must be renewed about every week and to do this, two or three pans should be filled and when not on duty should be kept in the greenhouse, convalescing. This may seem like an expensive proposition, but it is the only practical way to get results that will keep a smile on the purchaser's face.



The deeper pans solve the problem but the great objection to them is their height. They dress better than the lower ones and the plants actually grow in them, once and awhile.

Water kills more of these decorative contrivances than anything else. An occasional watering is by far better than a regular soaking as it keeps the plants hustling for the little water they get and they forget to die in a hurry.

A few hours in the light, not in the direct sun will be a help toward keeping them going.

Clerks entrusted with the sale of these goods should be competent to properly advise the purchaser as to their care and what they may reasonably expect as to lasting qualities.

*Frank J. Doogue*

The earth has grown old with its burdens of care,  
But at Christmas it always is young;  
The heart of the jewel burns lustrous and fair,  
And its soul, full of music, breaks forth on the air  
When the song of the angels is sung.

It is coming, old earth, it is coming tonight!  
On the snowflakes which cover thy sod,  
The feet of the Christ-child fall gentle and white,  
And the voice of the Christ-child tells out with delight  
That mankind are the children of God.

— Phillips Brooks.

'Tis the time of the year for the loving-cup,  
When the holly berries shine;  
And with shout and song of man and maid,  
The cedar and fir we twine.

— Margaret E. Sangster



## Tree Talks

V.

The first consideration in tree planting should be a suitable soil. If in a nursery the ground should be well manured and ploughed or spaded from twelve to fifteen inches deep, and well pulverized. If the trees to be planted are for street planting they should be planted from six to eight feet apart each way, so that they can be easily cultivated and worked amongst. This allows of a free circulation of air and gives a chance to form a fine head, and their roots and fibres are always more abundant than when they are planted too crowded; it also makes a more vigorous tree for future use. In planting, the tree holes should be dug broad and deep enough to admit of all the roots without crowding. The centre of the hole should be somewhat elevated to set the tree on. The tree should then be carefully looked over, to see that there are no bruised roots or limbs; if there are any they should be cut smooth with a sharp knife. If the tree has good fibrous roots, little if any of the top should be removed, unless it is a straggling limb that is spoiling the form of the tree; but if the roots are poor and top good, it is well to head in each branch to one or two good eyes or buds, but not to make a mop handle of it by sawing off the top, as is often done. The tree should then be set in the centre of the hole, the roots carefully spread out and the finest of the earth carefully worked in amongst the fine roots. This is easily done in most cases by having one take hold of the tree near the surface and shake it slightly while the earth is being spread over the roots. The earth should be well firmed with the feet if the tree is small, or, if the tree is large, with a rammer such as they use to ram pavements with. The lighter the soil the more necessary the firm planting, but in heavy clay soils there is not so much need—only to firm the tree.

### STREET AND ROADSIDE PLANTING

In planting shade trees along the streets, much more care is required in the preparation of the soil to make it successful. In the first place, in making your streets, all or nearly all the good loam should be removed and its place filled with gravel or small stones, which afford but little nourishment to the growing tree where its roots are confined to that alone. It is true a tree will exist for a long time in a comparatively poor soil, but it will repay the planter in a few years to see that his ground is well prepared in the beginning.

The holes for street trees should be excavated two or three feet deep and eight to ten feet in diameter, the good soil, if any, put on one side and the gravel, clay or stone removed, and the hole filled with good loam. If taken from an old pasture the coarse sods should be put in the bottom and the finer soil on the top. If a portion of well decomposed manure is mixed with the soil, it will much improve it, as it must be remembered that the trees planted on the streets do not, as a rule, get the

annual top dressing that those do that are planted in gardens, neither can the roots for a number of years reach the neighboring gardens, although they will in time, which will show in their increased vigor. On country roadsides, where the road is little more than a few loads of gravel dumped on top of an ordinary soil that has been rounded up to shed the water, it is probably not so necessary to make such a deep excavation for the tree, as it would be in a city or its environs. But even along these surface roads it pays in the end to prepare and plant a tree well. The soil should be allowed to settle a few days or longer, when the tree may be planted in the same way as recommended for the nursery planting. The tree when transplanted should not be much deeper than it stood in the nursery. Two or three inches deeper will not make much material difference, but, at the same time, it is best not to have much of the stem below the ground.

### REMOVING LARGE TREES

Trees of a very great size can be removed successfully if time and money are of no account, but it is an expensive process and should be attempted only where immediate effect is wanted, or in the case of a rare variety that requires to be removed and cannot be replaced otherwise. To prepare a large tree for removal a deep trench should be dug around the tree from five to seven feet from the base of the tree, and working under so as to cut off all the roots possible without disturbing the bole. The ends of the roots should all be cut smooth and the trench filled up with a good compost of peat, rotten sods and manure, and left for a year, when a second trench can be opened at the outside of the first one, and the tree carefully undermined with a pick, so as to remove the soil with as little injury to the young fibres as possible, and the tree carefully drawn over, so as to cut whatever tap root that may have been left. If a supply of bass mats is at hand they can be carefully bound around the ball of earth, and, if it is not too large, it can be loaded on a drag and drawn to the place of planting where the hole has been prepared beforehand. If too large for a drag the ball of earth may be surrounded by boards or layers of hay and straw firmly bound with cords, a few boards passing underneath, and the whole fastened to the stem, which should be well wrapped with hay or woolen material before any force for lifting is applied. It can then be raised with the use of a derrick on to a truck and taken to the desired place, lowered in the hole, the binding taken off, the roots carefully spread and the soil well worked in amongst them and well firmed.

Large trees can also be transplanted by digging around them in winter and allowing the earth around them to be frozen solid, having the ground prepared previously and covered with coarse material to keep out the frost, and removing them on a sled to their designation. There are also many mechanical devices for lifting large trees.

*Jackson Dawson*

*Arnold Arboretum.*

## Cattleya citrina



*Cattleya citrina*, or "the Tulip Orchid," as it is often called, is quite distinct from the other members of the genus in appearance and general habit. Its beautiful lemon yellow, sweet scented, waxy flowers as well as their peculiar habit of growing downward always attract attention. The best place to grow this cattleya in is a cool, airy house, such as one would grow primulas, cinerarias, azaleas and like plants in. In a house of this kind, *Cattleya citrina* will invariably do better than in a regular cool orchid house. It can be grown either in small pans or on blocks of wood with a little osmunda fibre attached to the block to which the plant is fastened with copper wire until the roots take hold of the block.

The plants require very little water at any time of the year but enjoy a cool moist atmosphere at all times. An occasional dip in weak liquid manure water will help to build up strong pseudo-bulbs and consequently a good crop of flowers. The plant shown in the picture has for the last five or six years produced two flowers to the bulb, the usual number being one; in addition one of the bulbs made two leads this year. I mention this because the species has the reputation of "going back" after a few years of cultivation. Most orchids will go back after a few years of cultivation if they do not get the proper care and food and this we can not always give them because we do not know what their particular requirements are; but once in a while we hit upon the right cause of treatment for certain species, be it accidental or through experimenting and then the plants will go ahead and grow as well or nearly so as they did in their native home.

*M. J. Oape*

Naugatuck, Conn.

## Rose Notes in Season

Vigilance is the growers' watchword these days. The changeable weather brings all sorts of trouble, and any relaxation in the care of the plants, ventilation, etc., affords one or all an opportunity to get busy. The return of firing is welcomed by the red spider—if not by the grower—and it is amazing how rapidly this pest will populate a house of stock if left to his own sweet will. The presence of red spider is indicated by a scorched appearance of the upper surface of the leaves and is easily detected by the grower who "sees." It is, however, preferable not to wait for the appearance of this sign, but to syringe carefully each plant every time the operation is performed, when there will be no occasion for worry during cloudy weather.

Keep the plants neatly tied, the better to facilitate syringing and the subsequent drying of the foliage, as well as to encourage the growth of straight, graceful stems.

Remove the lateral shoots while they are very small. The strength thus diverted will go to the development of a better and larger flower than if they were permitted to remain until a knife had to be used.

If there is any mildew on the stock advantage should be taken of the cold nights to paint the pipes with the mixture of sulphur and lime. If we are persistent, a few nights of this treatment will serve to eradicate the pest.

Green fly can be kept in subjection by fumigating with tobacco or its products, and as this pest multiplies in competition with red spider—or so it seems to me—the house should be fumigated on the occasion of its first appearance and repeated every time a green fly is noticed.

Watering calls for careful judgment as it is during the winter months that roses are in their most torpid state, root action sluggish and the eyes hard to start. Any check to root action, however slight, will strengthen the natural tendency of the plants to take a rest and when they enter on this condition during the winter it is exceedingly difficult to encourage their return to activity.

*J. E. Simpson*

## Chrysanthemum Notes

### CALVAT'S CERTIFICATED NOVELTIES

At the Paris show last November a large number of new seedling chrysanthemums were awarded certificates. Calvat headed the list with eighteen. To those American growers interested in French novelties we quote the names referring them to the raiser's catalogue for descriptions in case of need. *Melisandre*, Mme. *Max Chabriel*, Mme. *Jules Maggi*, *Miarka*, *Chrysanthemiste Durand*, *Peintre Bienvenu*, *Belle Esterelle*, Mme. *Rachel L'abbe*, *Souvenir de Mme. Bonnefond*, *General Sauret*, *Cecilia Monteil*, *Achille Fenin*, *Ferdinand de Bievre*, *Blanche Delcloque*, Mme. *Julien Ray*, Mme. *Jouan*, Mme. *Chas. Lutaud*, *Claudius Denis*.

### SINGLE CHRYSANTHEMUMS

During our rounds this season we have met with many pretty varieties of this popular section and for decorative purposes there are probably few flowers more useful



at this time of year. In our public halls, in the decorative classes at our schools, in the florists' shops and elsewhere the single chrysanthemum makes its annual claim to recognition and succeeds.

Lady-smith is old but its rich color makes it one of the most valuable; Nellie Riding, golden chestnut; Kitty Bowne, yellow; Edith Pagram, Bronze Pagram and White Pagram need no commendation. Annie Stevens is a pretty rose colored variety. Mrs. H. J. Empson, pure yellow. Some newer ones are Narcissus, golden yellow; Doreen, yellow; Mrs. E. Roberts, pale lilac mauve; Pyrethrum, reddish crimson; Miss Gunn, blush pink; Perfecta, rosy purple; Restart, small but fine color, almost scarlet.

#### DECORATIVE CHRYSANTHEMUMS

These pretty little medium-sized Japs are of great value in the border and as pot plants. Baronne de Vinols, a rosy amaranth with white tips, also Knonnar Caprice de Printemps is useful for grouping and much appreciated by the French growers. It has given rise to quite a large family of sports of which Kathleen Thompson, a golden chestnut, is a conspicuous sample. At Paris one exhibitor staged the entire family which we may refer to at some future date. E. Daudet, yellow shaded red; Foxhunter, scarlet crimson with gold reverse; Table Decorator, pale lemon yellow; Clara Vernum, rich rosy red crimson with gold reverse; Freda Bedford, golden apricot; Eden, rosy mauve, passing to white, and Mrs. Christie, deep rosy amaranth, are some of Cannell's newest and best.

Chasman Payne

### Nerine Fothergilli major

These popular South African bulbous plants are among the most charming and most useful of all early winter-flowering plants. Coming into bloom as they do at a time when flowers of any real choiceness are scarce, we find that this Nerine amply repays the little care and attention which it requires.

For decorative purposes, they stand in a class by themselves and I have yet to see the flower which can beat them for rich effect. Incidentally I may say that one of the finest pieces of table decoration which I have ever seen was a dinner table seated for forty, decorated entirely with Nerine Fothergilli. The effect under artificial light, for beauty and brilliance was simply beyond the power of man to describe.

Perhaps the real secret of success in the cultivation of the Nerines lies in their winter treatment. Quite a number of people are under the impression that Nerines require little or no attention in the way of potting or feeding owing to their well-known partiality for being pot-bound. Neglect in this respect is one of the principal causes of failure in growing these plants.

As soon as Nerines finish flowering, they should be carefully examined to see that the drainage is in good order, and plants which require a small shift should

have it at this time, although excessive potting should always be avoided. They should then be placed in a cool house where they will get plenty of light and air. During the growing period which lasts, as a rule, from November until May, they require abundance of moisture at the root and overhead and, to ensure the thorough development of the bulbs, occasional waterings with well diluted farmyard manure should be given them.

About June the foliage begins to show signs of withering, and water should then be given in lesser quantities and gradually discontinued altogether. During the summer months they may be placed on their sides in some well exposed situation outdoors, where they will get a thorough baking in the sun. As a well ripened bulb is



NERINE FOTHERGILLI MAJOR

absolutely necessary before we can expect it to flower we should see that they are placed where it is dry and where they will get the full power of the sun.

The accompanying illustration shows Nerine Fothergilli var. major grown in a six-inch pot. The plant was one of a large batch, grown and flowered this year by W. N. Craig, North Easton, Mass., who grows them to perfection.

W. N. Craig

North Easton,  
Mass.

## The Carnation Bud Rot

The carnation bud rot is a constantly increasing trouble of the carnation and it is causing some anxiety to the growers. The first indication of the trouble is that the flowers are noticed opening abnormally and though they usually show no external injury, a closer examination discloses the fact that the inner petals cling together at the top while the lower portions are decaying. The peculiar unrolling of the outer petals is so characteristic of the disease that it is not a difficult matter for anyone familiar with it to pick all infected flowers while going over a bench. In the advanced stages of the disease all the petals turn brown. If the decayed portions are carefully torn apart there will usually be found one or more glistening pearly white bodies. When the flowers are in an advanced stage of decay, even when the bud has become a dried mass of tissue, there are usually a large number of these bodies. The writer has counted over one hundred of various sizes in a single decayed bud. These bodies are supposed by growers to be the eggs of some insect. They are the gravid females of a mite (*Pediculopsis graminum*, Reuter) and the shining bodies are the enormously distended abdomens filled with eggs. This portion is so distended that it is often difficult to see the head and thoracic portions of the mite. Anyone can secure the males and non-gravid females by placing some fertile mites in a clear glass vial and in a few days the tiny full grown mites will be crawling about.

The trouble is caused by a fungus (*Sporotrichum* sp.). The mycelium of this fungus is usually seen as a cottony mold in diseased buds that have become somewhat dry. Inoculation experiments on buds of the Queen Louise carnation were in all cases successful indicating that the fungus is the real cause of the trouble. The mites appear to be the means of introducing the fungus into the interior of the buds where the conditions are favorable to its development. The relation of the fungus and mite is shown in the following table:

Variety.	No. Rotten Buds Examined.	No. with Gravid Mites.
Genevieve Lord	54	42
Lady Bountiful	27	18
Red Sport	23	12
Queen Louise	22	15
Mrs. T. W. Lawson	3	1
Estelle	3	2
Total	132	90

A microscopic examination for the non-gravid mites possibly would have increased the figures in the second column. While the fungus spores are disseminated by other means it does not apparently gain entrance to the buds except through the agency of the mite.

The attention of the writer and his assistant was first called to this trouble by the foreman of one of the largest greenhouse establishments in Chicago in October, 1907. In this establishment it was especially injurious to White Lawson. Since this time the writer has found the same trouble at Bloomington, Springfield, Peoria, Pekin and Champaign. A careful study and record was made at Bloomington of the amount of the trouble on several varieties during each week from October to June. The following table gives the results:

Variety.	Flowers Produced.	No. Rotten Buds.
Red Sport	10,806	131
Lady Bountiful	7,500	83
Estelle	1,605	5
Genevieve Lord	21,576	61
White Perfection	3,174	7
Queen Louise	35,408	68

Variety.	Flowers Produced.	No. Rotten Buds
Mrs. T. W. Lawson	9,824	5
Enchantress	6,686	4
Vesper	1,111	6
Beacon	500	2

Each flower produced was examined three times during its development.

The Genevieve Lord, Queen Louise and Red Sport as well as the Enchantress, Lady Bountiful, White Perfection, Vesper, Estelle and Lawson were grown on adjoining benches. The conditions were similar and the results comparable.

As a class the white varieties are more subject to the disease than others but they are not uniformly affected. For example, in this establishment Lady Bountiful was one of the worst injured varieties while Vesper was immune. The former has been found affected wherever I have examined it growing. White Perfection was seriously affected with the disease in November but it disappeared later nor did the trouble reappear on this variety in the spring when it was again in full crop. Queen Louise is a variety subject to this disease and like the Lady Bountiful infected flowers were found all through the winter but in greater numbers in fall and spring. Queen showed some affected flowers but as it was thrown out in January the record is not complete.

Among the colored varieties Genevieve Lord, a pink variety, was one of the worst injured. Most of this loss occurred in a separate house containing one bench each of Lord and Louise. Other benches of Genevieve Lord were less affected but still to a greater degree than Enchantress or Lawson. The latter were not susceptible varieties. Estelle and Beacon were also more subject to the disease than the two standard kinds named above. Red Sport was the worst affected variety of all those studied. This is especially interesting because the impression prevails in some quarters that the disease is practically confined to the white varieties and in still others that Lawson is the kind particularly subject to it. If the White Lawson is meant it should not be confused with other Lawsons.

The susceptibility of varieties was shown in one large house which contained as well grown plants as I have seen in ten years' experience visiting greenhouses. In this house two benches of Louise gave 10 and 5 buds respectively, one Genevieve Lord bench 5 and one bench of Red Sport produced 99 rotted buds. In the low narrow house previously referred to, one bench each of Genevieve Lord and Queen Louise produced 43 and 38 rotted buds respectively. Here the conditions were very favorable to the diseases during May because of the excessive rainfall.

Comparing the two lots of Lord and Louise it will be seen that in large, well ventilated houses the disease was less troublesome on these varieties but that other varieties are very subject to it under the best of conditions.

Although the disease and the mite are troublesome on June grass the writer has not found it a regular consequence of the use of rotted sod. On the other hand some of the worst cases of this trouble that he has examined, followed the use of other soil. It is his desire to get more evidence on this point.

The only remedy known at present is to pick and destroy all the diseased flowers as they appear. This will get rid of spores and mites. Under this treatment I have not found a second infected bloom on a plant.

*A. C. Beal.*

*Champaign, Ill.*

# HORTICULTURE

VOL. VIII

DECEMBER 12, 1908

NO. 24

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292  
 WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00: To Foreign Countries, 2.00: To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.  
 Discounts on Contracts for consecutive insertions, as follows:  
 One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;  
 six months (26 times) 20 per cent.; one year (52 times) 30 per cent.  
 Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

	Page
COVER DESIGN—Merry Christmas.....	
TABLE CENTRE PIECES—Luke J. Doogue—Illus...	773
TREE TALKS—Jackson Dawson.....	774
CATTLEYA CITRINA—M. J. Pope—Illustrated.....	775
ROSE NOTES IN SEASON—J. E. Simpson.....	775
CHRYSANTHEMUM NOTES—C. Harman Payne.....	775
NERINE FOTHERGILLI MAJOR—Wm. McM. Brown —Illustrated.....	776
THE CARNATION BUD ROT—A. C. Beal.....	777
CULTURE OF BRUSSELS SPROUTS.....	779
CULTURE OF BEGONIA GLOIRE DE LORRAINE— Chas. Thomas Veasley.....	779
NEWS OF THE CLUBS AND SOCIETIES: Maryland Horticultural Society—Detroit Florist Club—New York Florists' Club—Minnesota Horti- cultural Society—Amer. Rose Society—Michigan State Horticultural Society—Pittsburg Florists' and Gardeners' Club—Gardeners' and Florists' Club of Boston—Albany Florists' Club—Chrysan- themum Society of America—Amer. Carnation Society—Notes.....	780-781-782
LINCOLN PARK ANNUAL EXHIBITION.....	782
INDOOR FRUIT CULTURE—William Downs.....	783
A MELON HOUSE—Illustrated.....	783
THE CYCLAMEN FOR CHRISTMAS—Illustrated...	785
CHRISTMAS AT CRAIG'S.....	785
THE MOVING OF IRON-FRAME HOUSES—Illus....	786
OBITUARY: Henry Pearce—Nicholas Studer—W. J. Beatty— Prof. J. G. Lemmon—Peter M. Novik—Walter Slade—Archibald J. Taylor—John Baker, Portrait —Martin B. Smith—Mrs. Maria G. Kresken....	787
CHRISTMAS TRADE IN PHILADELPHIA.....	788
CHICAGO CHRISTMAS OUTLOOK.....	788
A WEST VIRGINIA ESTATE—G. A. Bishop—Illus...	790
SEED TRADE.....	792
SALT ON THE TAIL OF AN IDEA—Charles H. Fox	798
CARNATION MARCHIONESS—Illustrated.....	800
CARNATION GEORGIA.....	800
CARNATION EDWARD—Illustrated.....	801
OF INTEREST TO RETAIL FLORISTS: New Retail Flower Stores—Steamer Departures.	806
The Washington Season.....	807
FLOWER MARKET REPORTS: Boston, Buffalo, Chicago, Detroit, Indianapolis, Philadelphia, Twin Cities—New York.....	809-811
MASSACHUSETTS AGRICULTURAL COLLEGE...	817
JACK ROSE DAHLIA AND A MILESTONE—G. C. Watson.....	817
DURING RECESS—Chicago Florists' Club.....	817
MISCELLANEOUS: National Farm School—G. C. Watson.....	817
New Art Volume on Gardening—C. Harman Payne.....	817
A Rose Grower's Perplexities—A Winter Song...	779
Prize Table Decoration—Illustration.....	781
Denison Flower Show—Local Flower Shows....	782
Catalogues Received.....	791-793
Plant Imports.....	792
Chrysanthemum House at Budlong's—Illustration	800
The Money in Hot-Beds—Busy People.....	801
Personal—Albany Personals.....	807
News Notes and Business Changes.....	808-809-818
Greenhouses Building or Contemplated.....	819
Patents Granted—Incorporated.....	819

## Our anniversary

It is four years since HORTICULTURE extended its first "Merry Christmas" greeting to the horticultural workers of our land and asked for their indulgence and support of its efforts to advance the interests of the art and of those making it their life work. That the invoked support was generously given at the start and has been steadfastly continued up to the present time needs no proving to anyone who will glance over the pages of this, our anniversary number, and we take the present opportunity to express in as public a manner as possible our deep sense of gratitude and appreciation for the kindness, enthusiasm and loyalty which have been so ungrudgingly extended and without which success for HORTICULTURE would have been an impossibility. We congratulate the horticultural profession and allied interests on the encouraging outlook and hope that the year on which we are about to enter may fulfil its bright promise for every one. HORTICULTURE wishes you all a Merry Christmas.

## A priceless heritage

After reading the stirring lines contributed from time to time by our nature-loving correspondents, Rev. C. S. Harrison, Jackson Dawson, Prof. Pammel and others, one is forcibly impressed with the thought of the wide gap that forever lies between the best achievements of the most gifted landscape artists and the wonderful handiwork of nature as seen in the virgin forest and the vast primeval gardens unmolested by man. It is well that as much as possible of this sublime scenery be protected from destruction and preserved for the welfare and delight of the people and to serve as examples to which mankind may look, for all time, for inspiration in reclothing and rebeautifying the scarred and forbidding surface of a once-glorious world and every horticulturist should be found in the front rank in support of the widespread movements now on foot for the conservation of whatever is still left to us of our natural resources, more especially the forests.

## An act of folly

A New York florist whose name is familiar from one end of the country to the other, having been petitioned into bankruptcy last week and endeavoring to divert attention from the distasteful insolvency facts has taken opportunity to publicly traduce the business which has given him a living, the men who have generously trusted him and the great flower buying public in a manner that will surprise and offend the many who have been disposed to overlook his escapades in the past and who have admired and respected him for his resourcefulness and self-reliance. Those who know anything about the situation in the New York florist trade are aware that most of the bombast which the daily papers have been all too ready to spread before the public as the expression of this gentleman, is mere fabrication, but the public will accept it as truth and the flower business and everybody connected with it must share in the unmerited humiliation. The flower business stands for too much that is near and dear to the human heart to be thus recklessly villified and so far as the wholeable of New York is concerned, a word of gratitude and of sympathy for those dealers who have lost through this affair would be much more creditable than a public arraignment. We hope our friend will be able to carry out his promise to "make good" in all respects with the public, but we would remind him, with the kindest motive behind, never to forget when seeking publicity through the newspapers or otherwise, that

"Fame's very sweet, yet we should careful be  
 That it is fame, not notoriety."

## BRUSSELS SPROUTS.

I wish some reader of HORTICULTURE would enlighten me on the culture of this vegetable so as to get it to produce good solid heads. I have been able to get only soft, loose heads, although the seed was procured from the most reliable source and the plants have had no lack of water, nourishment or room. H.

Brussels sprouts are closely allied to kale, therefore require almost the same treatment.

The first condition of success with Brussels sprouts like that of nearly all other vegetables is the right soil. The best soil is a rather sandy loam, not less than 12 inches deep, the sub-soil under which should be sandy or gravel. A clayey or stiff sub-soil is uncongenial, and, unless drained artificially or naturally by sandy or gravel sub-soil, success is impossible. Experience has shown us that it is always beneficial for the Brussels sprouts crop to plow the land in the fall, not only because when this is thrown up in ridges it gets pulverized by the action of the frost, but also that the turning of the soil exposes the larvae and eggs of insects to the frost, which tends greatly to lessen their number the succeeding year. The best manure I find is half stable and cow mixed together, and always bear in mind that the more thoroughly rotten and disintegrated manure can be had, the better will be the result.

Spread the manure to the thickness of three inches at least and sprinkle some bone dust with this. Plow in and harrow smooth with rake and the bed is ready for planting. Sow the best seed that can be got, for, unless you have good seed, no matter how good the cultivation, the result will be a failure. About April 20th, when seedlings are large enough, transplant into cold frames or, better still, pot into two-inch pots and from twos to fours. I find potted plants do far better than when transplanted from a cold frame; they seem to take hold much quicker and set better too.

Plant out in July, and plant 2 1-2 feet apart in the line and 3 feet between the lines. After planting, it is needless to say that the soil should be kept continually stirred around the roots, and all weeds kept down. During very dry weather they should get plenty of water.

There are several kinds of insecticides in the market, but Slug Shot is one of the best and safest kind I have tried, and keep the plants perfectly clean by using it once or twice during the season.

Brussels sprouts should never be planted year after year in the same place, but should be planted in a new place each year.

The above is my way of growing Brussels sprouts, and I have very good results every year with them.

GARDENER.

## A CORRECTION.

The vase of handsome blooms of chrysanthemum William Duckham, which we illustrated in issue of November 21, was exhibited at Madison, N. J., not at Lenox, Mass., as printed.

## A ROSE GROWER'S PERPLEXITIES.

Editor of HORTICULTURE:

I trust I am not asking too much when I ask for information on the following points:

1. How often to spray roses at this season, when there is no red spider.

2. What to do for mildew when putting sulphur on pipes and powdering the leaves is not effectual.

3. What temperature to keep the house during the day for Brides and Maids.

I know nothing about growing roses, but engaged a grower who claimed to be an expert, but I am fearful he is not, and if you would kindly answer these questions as soon as possible you will help a beginner who is anxious to succeed.

Yours very truly,

J. H. L.

No. 1. At this time of the year we do not have many wholly bright days, so that it is generally necessary to take advantage of each as it comes along, but if you have an exceptionally long bright spell and there is no red spider on the roses we would say that for a while it would be better to syringe not more than three times a week.

No. 2. It is not often that mildew cannot be checked by using sulphur on the pipes and powdering the leaves, providing that the ventilation is attended to carefully. Ventilation, in fact, we believe is the most important item in the checking of mildew. It is not so much a question of the temperature in the houses as it is that of keeping out the slightest draft. If J. H. L. will be particularly careful about this point and continue to keep the pipes with some sulphur on them, using linseed oil with the sulphur to make it hold, he should be able to get rid of this trouble.

No. 3. The proper temperature for Brides and Maids on bright days with air on is 75 degrees; on cloudy days, when it is possible to ventilate only slightly, 64 to 66 degrees is better. Night temperature should be 60 degrees.

It is also important that steam be kept in the rose houses every night and all night at this time of the year, otherwise the air will be too heavy and damp and it will be next to impossible to remove the mildew.

LOUIS J. REUTER.

## A WINTER SONG.

Winter, and splinter of leaf-barren bough;  
Never a thrush with its lyrical vow;  
Down in the garden-close everything sere;  
Oh, for the rose and the prime of the year!

Eery and dreary the night and the noon;  
Gone all the glamour that girdled the moon;  
Gone all the glows from the mead and the mere;  
Oh, for the rose and the prime of the year!

Whirling and swirling of ominous cloud;  
Waves in a welter and earth in a shroud;  
Yet through the snows, love, the dawn will break clear;  
Oh, for the rose and the prime of the year!

— Clinton Scollard, in Munsey's.

## CULTURE OF BEGONIA GLOIRE DE LORRAINE.

It is comparatively easy to propagate, by taking leaf or top cuttings from November to March. By taking batches of cuttings at intervals it enables one to have the fine specimens in 8 and 10-inch pans down to the smaller size of 4 and 5 inch pots by Christmas. After taking the cuttings insert them into clean, sharp sand in a temperature of 60 to 65, with a bottom heat of 5 to 10 degrees higher, and give them a good watering; afterwards care must be taken not to keep them too wet until they are well rooted, which will take from six to eight weeks, at which time they are ready for their first potting into 2 or 2 1-2 inch pots, using a compost of two-thirds fine leaf mold and one-third loam with a good sprinkling of good sharp sand. Do not pot them firm or there will be a great loss. After potting, place them on a shelf near the glass, partly shaded, in a temperature of 60 to 65 degrees, taking great care not to let them suffer for want of water, and syringe them on all favorable occasions. As they begin to fill their pots with roots, repot them into larger pots, being careful not to overpot them. By the end of May, or the first week in June, they will be ready for the market growers to fill all their orders, also are ready for repotting, and a good compost is one part flaky leaf mold, two parts loam, with plenty of sharp sand; when spacing give the plants plenty of room, so that they get all the air that's coming to them, for one good specimen plant is worth a dozen poor, weak-looking ones. A sprinkling of soot between the plants at intervals of every three to four weeks is very beneficial; it not only keeps down slugs, insects and spot, but helps to give the foliage that rich, dark lustrous appearance of health. During the months of August and September, Begonia Gloire de Lorraine and Begonia Turnford Hall begin to make rapid growth and will require spacing and repotting into their final pots, using a compost of one part good flaky leaf mold, one part loam, and one part well-rotted cow manure. Now that they are getting quite large they will require a few supports of thin wire, and by using green silkline they can be tied into attractive shape. A little stimulant will be very beneficial from now on. A little soot dissolved in some manure water is a very good stimulant. I also have great success with Clay's Fertilizer and Ichthemic Guano.

Two of the greatest secrets or successful begonia growing are: first, never to overpot them; and second, never to pot them too firm. A thin shading is all that is necessary at all times—along towards the end of September they can be permitted to full sunshine. The majority of growers grow them in frames all summer long, but they can be grown with as good success entirely inside.

CHARLES THOS. BEASLEY.  
Norwich, Conn.

# NEWS OF THE CLUBS AND SOCIETIES

## MARYLAND HORTICULTURAL SOCIETY.

The annual meeting and exhibition was held Dec. 1 and 2 in the Fifth Regiment Armory at Baltimore, as last year, and was even more successful. The immense hall was finely decorated and the exhibits arranged very tastefully, no crowding, everything shown to advantage and the florists and gardeners worked together, making a fine exhibition.

One of the largest exhibitors in plants, cut blooms and vegetables was Geo. Morrison, superintendent of Dr. H. B. Jacobs' estate. M. Harrington, gardener to Hon. James A. Gary, also had some creditable exhibits. There were exhibits from Mrs. T. Harrison Garrett's and other private estates. The florists were largely in evidence. R. Vincent, Jr., & Sons Co., had a bed of new geraniums and another of hardy chrysanthemums skilfully arranged. John Cook, Halliday Bros., H. Fisher, James Hamilton and Edward Hermann had groups and tables of plants. H. Fischer, H. Walker & Sons, and John Cook showed some fine seedlings in chrysanthemums, roses and carnations.

Henry A. Dreer, Inc., Philadelphia, had a table of palms, ferns and other decorative plants, which was given much attention. They also had an exhibit of pumps and spraying apparatus, spraying material, etc.

The Thomson Chemical Co. had a tasty and interesting exhibit of their preparations for spraying for San Jose scale and other troubles of the tree growers.

The fruit exhibit was grand, especially the apples, and would indicate that this section may rank as one of the best in the country for apple growing. It was decided to send some exhibits to the National Horticultural Congress at Council Bluffs, Iowa, Dec. 14-19.

There was also a fine exhibition of nuts in great variety.

Microscopes and specimens, enlarged patterns of flowers and insects, used in teaching botany, etc., at the State College were shown and attracted considerable attention.

Thos. Meehan & Sons, Philadelphia, showed some hardy heaths; I. H. Moss, group of fine evergreens and cut roses; James H. Cockcroft, Northfield, L. I., carnation Georgia; Griffith & Turner Co., bulbs, seeds, pumps, tools of all kinds, etc. J. Bolgiano & Son had a fine showing of similar goods. Rawlings Implement Co., International Harvester Co. and E. F. Kaufman of York, Pa., with his York gas sprayer all had interesting exhibits.

The Corn Breeders' Association also had a meeting and extensive exhibit. The breeders were also on hand, with an interesting showing and meeting. The State Grange followed on Thursday with its convention, so there was something for everyone.

President Chas. L. Seybold and the other officers and committee are to be congratulated on their management. The department of interesting reports. A. C. Mager welcomed the society. The other groups made an address on Wednesday afternoon and

in the evening Mr. J. Otto Thilow of the H. A. Dreer Co. gave a very interesting and instructive illustrated address on "Horticultural Progress."

Officers elected for the coming year are: President, W. McCulloch Brown; vice-president, R. Vincent, Jr.; secretary-treasurer, Prof. C. P. Close; vice-presidents for Baltimore City, Chas. L. Seybold, E. A. Seidewitz.

## DETROIT FLORISTS' CLUB.

At the last club meeting Sec. J. F. Sullivan most fittingly eulogized the good work done by Mr. Scribner in behalf of the Club and not only as president, but also as a member. He closed his address by presenting Mr. Scribner with a diamond set locket and chain.

The December meeting was well attended and the two special matters of interest, namely, "Shall the Club move into larger quarters?" and "Shall growers sell to grocers and department stores?" brought forth most lively debates. The affirmative side of the questions was represented by Wm. Dilger and the negative by Mr. J. F. Sullivan.

Mr. Dilger dwelt on the fact that bringing our goods before the people, even through fakirs, is advertising and creates demand which otherwise would not exist. Planting carnations inside of such a limit as to make a glut impossible during the six weeks of spring would cause a famine for the rest of the season and would ruin the trade. Did you ever notice your increase in fern sales, say six or eight weeks after the cheap department store sales? Do you know that Crimson Rambler roses two years old can be imported from France and delivered at your door, freight and duty paid, with canes 4 ft. long at \$5.00 per 100? Why not reduce some of the surplus by more careful selection? See to it that A-No.-1 is nothing but A-No.-1; distribute such stock to florists and the inferior quality stock to the fakir.

J. F. Sullivan, taking the negative standpoint, pleaded for self-respect and following the ethical side, severely condemned the practice and principle of selling our product to people who do not even know the name of it. He cited the action of prominent painters who, in fear that their product might become cheapened, destroy the plates from which copies of their work are printed. The discussion very soon wandered and instead of discussing the subject proper, everybody wanted to know what should be done with the surplus. No end to such a theme, you know!

F. DANZER

## NEW YORK FLORISTS' CLUB.

The regular meeting and annual election of officers for this club will be held on Monday evening, December 14, at the meeting hall on West 23rd street, New York. It is understood that contests are on for all the offices and a big, lively meeting is expected. If the weather permits, the veteran C. L. Allen of Floral Park has agreed to read a paper on "Plant Development," which is sure to be interesting.

## MINNESOTA STATE HORTICULTURAL SOCIETY.

The Minnesota State Horticultural Society held its 42nd annual meeting on Dec. 1, 2, 3 and 4, with President S. B. Green in the chair. About 400 persons, including many prominent growers from practically every section of the Northwest, attended the sessions. Prominent from outside the state were: Col. C. W. Guernsey, Yankton, S. D.; H. M. Speechly, Pilot Mounds, Manitoba; O. O. Churchill, of Fargo, N. D.; C. L. Richardson, Chipewewa Falls, Wis.; J. D. Black, Iowa; J. J. Kellogg, Janesville, Wis.; C. W. Gardner, Iowa; A. J. Philips, West Salem, Wis. The program was a very interesting and instructive one. Among some of the papers read were: "Outdoor Roses and How to Grow Them," E. Meyer, Minneapolis Park Board; "Dahlias for Every Garden," D. W. A. Ruff, St. Paul; "The Gardening of Perennials in Manitoba," Dr. H. M. Speechly, Pilot Mound, Man.; "Possibilities of Cranberry Culture in Minnesota Swamps," Dr. H. J. Franklin, Asst. to State Entomologist; "The Public Square in the Prairie Village," F. Nussbaumer, Superintendent of Parks, St. Paul; "The Distribution of Nursery Stock," C. H. Gurney, Yankton, S. D.; "Legal Protection for Grower and Plants," Wm. F. Coe, Attorney, Minneapolis; "Our Duty Toward the Landscape," an illustrated talk by M. O. McBean, Park Commission of Minneapolis; "Pruning Shade and Ornamental Trees and Shrubbery," Theo. Wirth, Superintendent Parks, Minneapolis.

Five very interesting papers on spraying were read, giving the experience of some of the fruit growers. The spraying in this state is mostly against fungii, apple and plum curculi and codling moth. Minnesota has been lucky so far in not having any San Jose Scale, although experiments at the State Experiment Station showed that the scale confined in a muslin cage survived last winter and was able to kill a small apple tree in one season.

Rev. C. S. Harrison of York, Neb., recommended more pine plantings in the Northwest. He also sees a great future for the by-products of the pine, such as cloth and oil.

S. M. Owen, Minneapolis, discussed the Canadian laws regulating packing, marking, shipping and selling of fruit. A resolution was introduced by Mr. Underwood, Lake City, to have a bill drafted providing for honest and uniform measures, and that the society use its influence to have the bill presented in Congress.

The practicability of a law that would require nurserymen to give bonds and salesmen to have state licenses as a means of protecting the public from injury through the operations of fake nurserymen was doubted. Such a law had been tried in S. Dakota, but has worked as a help rather to the fakirs. The society went on record as condemning the broadcast distribution of seeds by members of Congress at the expense of the government. A resolution was adopted, urging the State Fair management to pro-



vide a building at the fair grounds for the exclusive use of horticultural and floricultural exhibits. While the meetings are mostly for the benefit of the fruit growers, there is quite some interest taken in landscape art and ornamental horticulture.

Professor Samuel B. Green of the State Agricultural College was re-elected president for a third term; George W. Strand, Taylor's Falls, treasurer; A. W. Latham, Minneapolis, secretary; Clarence Wedge, Albert Lea and T. M. Underwood, Lake City, executive board were all re-elected.

C. N. RUEDLINGER.

This society is made up of a band of heroes. When Old Boreas threw down the gauntlet and told them never to invade his domain again, they boldly accepted the challenge. Time and again their orchards were destroyed, until finally they built up an iron-clad tree—hardy from root to top, and now they have met with cheering success. The exhibit of fruit at their 42nd annual meeting, at Minneapolis, was fine, though this was an off year. Last season carload after carload was shipped down to Ohio from a state where until of late we no more expected to raise apples than oranges.

The number of fruit trees planted is something amazing. Enthusiasm is at high tide. The society has a membership of over 2800 and will probably reach the 3000 mark by another year.

The program was full and was started off briskly. Prof. Green is an ideal presiding officer and Prof. Latham is without a peer as an organizer and everything was dovetailed and matched to a perfect fit.

The first paper was on the Bull or ponderosa pine, so well adapted to all the West and Northwest. The writer gave his experience in watching this tree for 25 years. They can be raised in the open as easily as one can raise onions. A man in Manitoba—an ordinary farmer—secured 3,000 from half a pound of seed, with the first cost only 50 cts. per 1,000. This hardy tree grows with great rapidity and admirably fits the dry plains of the West and Northwest; and were it not for the fires would have covered all these regions. He who plants a grove of them plants a flock of sheep. Several manufacturers are now distilling a valuable oil from the needles, and by a chemical process are producing fibre from the long, slender foliage which is converted into cloth, making this tree one of the most valuable that can be planted. The paper will be issued as a bulletin by the Nebraska Park and Forest Society and can be had for a postage stamp by sending to C. S. Harrison, York, Nebraska. There were very interesting discussions on the strawberry led by the veteran of 81 years, Geo. Kellogg, of Janesville, Wis.

There were associated societies which matched their work in with that of the parent society, the Rose Society, Plant Breeders' Auxiliary, Bee Keepers' Society and the Forestry Society which carried out an extremely interesting programme.

Wednesday night was the carnival banquet—the great unbend where there was sense and nonsense, roast and toast, where old men were boys, where there was a "feast of reason and



FIRST PRIZE TABLE DECORATION

At Exhibition of New Orleans Horticultural Society by J. A. Schwindler & Co.

a flow of soul" without the flowing bowl. These meetings are culminative—the last the best, and with reason, for this is probably the largest and best society in the world.

C. S. HARRISON.

#### AMERICAN ROSE SOCIETY.

Spring Exhibition 1909.

The schedule for the American Rose Society's Annual Exhibition next March is being revised. \$350.00 is already subscribed as a guarantee fund to the Society's finances. There are three silver cups offered as specials and two prizes for pot plants amounting to \$300.00. The mayor of Detroit offers a special prize for the exhibition to be held in Buffalo beginning March 23rd. Vice President Wm. F. Kasting, park commissioner of the city of Buffalo, says that the people of that city love roses, that it is a place where the Society's motto, "A rose for every home, a bush for every garden," is a concrete fact, and the people will turn out to the show. President Pochmann has appointed several gentlemen to solicit special prizes. The Schedule Committee are the veteran rose growers, John N. May, Alexander Montgomery, Robert Simpson and Frank R. Pierson and the schedule will be such as to insure a capital display. The annual bulletin is in press.

BENJAMIN HAMMOND, Secretary.  
Fishkill on Hudson, N. Y.

#### MICHIGAN HORTICULTURAL SOCIETY.

A record-breaking attendance, intense enthusiasm and a very interesting programme made the 38th annual meeting of the Michigan Horticultural Society, Dec. 1-3, one of the best ever held. The business meeting showed a most healthy condition of the Society, the T. T. Lyon Memorial Fund now containing nearly \$18,000. It was voted that the Society continue the plan of making fruit displays each year at the state fairs, the premiums earned being used to increase the permanent fund; that the executive board continue the plan of making contracts for spraying materials and fertilizer, to be supplied to society members at cost.

Election of officers resulted in the advance of vice-president Smythe of Benton Harbor to the presidency. C. E. Bassett of Fennville was continued as secretary for the ninth year. James Satterlee of Lansing was re-elected treasurer. New members of the executive board are Chas. F. Hale, Shelby; J. Pomeroy Munson, Grand Rapids and Prof. H. J. Eustace of the State College.

Three state societies are in session this week: Illinois at Champaign, Iowa at Des Moines, and Washington at Spokane.

### PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

There was a good attendance at the club meeting on Dec. 1. The committee having in charge the gratuity to ex-president Jno. W. Jones, foreman of Phipps Conservatories, handed over a large package to Mr. Wm. Falconer, requesting him to act as spokesman. This was a labor of love for Mr. Falconer as Mr. Jones worked with him during the seven years he was superintendent at Schenley Park, and their mutual esteem and friendship is well known. On cutting the wrappings an elegant satchel was disclosed, filled with all the accessories of a gentleman's toilet. As Mr. Falconer said, Mr. Jones is now in shape to attend all the conventions, and, when not in use that way, the satchel can be employed as a cradle. These little incidents seem to help along in the life of the club, and make pleasant memories for all connected with them.

The subject of the meeting was Christmas Plants and Decorations, with a competitive exhibition by the private gardeners, for which prizes had been provided by W. L. Mellon. The prize for most suitable plant for Christmas decoration was awarded to David Fraser for a poinsettia. For three Lorraine begonias, to James Wiseman, and for three cypripediums in flower to James Hutchinson. The judges were E. Blind, J. W. Ludwig and H. S. Price. J. A. Peterson showed a collection of begonias and received a certificate of merit for a new one. H. A. Dreer received certificates for *Nephrolepis Scholzei* and *Begonia Agatha*.

Among the home growers represented were Phipps Conservatories with poinsettias, cyclamens and begonias; Allegheny Park Conservatories, North Side, begonias in hanging baskets; Frank Crook, gardener for Jas. H. Park, *Dracaena Sanderi*, certificate of merit; J. W. Ludwig, decorative greens; Pittsburgh Rose and Carnation Co., carnations.

E. C. Reineman spoke of the recent flower show in Chicago. He was enthusiastic over the display of roses, carnations, chrysanthemums and orchids. Of the roses *My Maryland* and *White Killarney* were exceptionally good. The feature of the pergola, so much discussed, he thought suited to the hall, and "Before and After" a splendid object lesson in the treatment of back-yards. The visit to the Poehlmann plant, which he characterized as "the commercial establishment of the world," alone was worth the trip to Chicago.

President Bürki invited the members of the club to visit the Pittsburgh Rose and Carnation Company's plant at Bakerstown on Thursday, Dec. 10. The invitation was gladly accepted.

The subject for January meeting will be Roses. H. P. JOSLIN, Sec'y.

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The annual meeting of this club for the election of officers for 1909 will take place at Horticultural Hall, Boston, on Tuesday evening, December 15. A large attendance is probable as the contest for presidency has assumed an interesting aspect and an old-fashioned healthy contest seems to be brewing.

### ALBANY FLORISTS' CLUB.

The regular monthly meeting of the Albany Florists' Club was held Dec. 4 at the store of W. C. King. The report of the advertising committee was given by Chairman Danker, and it was decided to continue the agitation against floral solicitors for funerals in the local newspapers for another month. W. C. Kurth reported a resolution from the committee on early closing, recommending that the flower stores remain open during the present month until 8 p. m. The question of having a flower show during the winter was discussed and a committee will be named at the next meeting to make necessary arrangements.

Two tickets were placed in nomination for the officers of the club and are known as the "regulars" and the "opposition." The "regulars" are: President, F. Goldring; vice-president, F. Henkes; treasurer, F. A. Danker; secretary, E. Maney; trustees, H. G. Eyres, W. C. Gloeckner, J. Berberick, Thomas Snare, A. Whittle, H. Riggs and W. C. King. The "opposition" ticket is as follows: President, F. Goldring; vice-president, F. Henkes; treasurer, H. Whittle; secretary, J. Butts; trustees, W. C. King, William Kurth, E. Maney, C. Saunders, J. Snyder and Patrick Hyde. The election promises to be a spirited one and will be held Thursday evening, Jan. 7, 1909. When the contests are settled refreshments will be served and an entertainment given under the direction of a committee, consisting of Frank Briare, F. A. Danker and W. C. King.

Mr. James Snyder of Rhinebeck was a visitor at the meeting.

### CHRYSANTHEMUM SOCIETY OF AMERICA.

#### Work of Committees—Report on New Chrysanthemums.

Mrs. J. Boxall; Jap. inc. Pink. Exhibited at Cincinnati, O., Nov. 27, 1908, by Elmer D. Smith, Adrian, Mich. Scaled 88 points commercial.

Improved Chadwick; white. Exhibited at Cincinnati, O., Nov. 27, 1908, by Elmer D. Smith. Scaled 90 points commercial.

The variety Canadian Seedling No. 20, exhibited by Chas. H. Totty, in Chicago, has been named W. R. Brock.

DAVID FRASER, Secretary.

### AMERICAN CARNATION SOCIETY.

#### Carnation Registered.

By Joseph Heacock Co., Wynete, Pa.: "Dorothy Gordon." Parentage, Lawson and Enchantress; color, light pink; habit, etc., flower well built, good calyx, stem and substance, fragrant. A strong grower and a great bloomer. ALBERT M. HERR.

LANCASTER, Pa.

### CLUB AND SOCIETY NOTES.

The Wisconsin Horticultural Society will hold its convention in Madison Jan. 12-14.

In the general fruit display at the Royal Horticultural Show, London, England, the gold medal was awarded to Ontario.

### LINCOLN PARK (CHICAGO) ANNUAL EXHIBITION.

To realize the educational advantages of such an exhibit as this the visitor has but to take position in any convenient place and watch the expression and listen to the comments of the throngs of visitors as they pass.

There is so much in a city like Chicago that is repellant to the eye that these opportunities for popular study of the beautiful in nature stand out the more conspicuously.

For two weeks there was a continuous stream of visitors passing through the Lincoln Park Conservatories. Who can measure the influence this has had for better homes and more flower lovers next year? On Sunday, Nov. 15th, it was estimated that fully twenty-five thousand people visited this annual exhibition of chrysanthemums and orchids. The plants were not staged on level tables as in the usual flower show, but flowering plants were mingled with palms and placed on banks 12 to 15 feet high and sloping down to within a foot or two of the walk. There are no straight lines, nor rows of plants, but the banks of gorgeous blooms curve and the walks wind around from one group to another.

Supt. Alois Frey is a master at this work and has most able assistants. In addition to the 175 varieties of large chrysanthemums, seventy-five anemones and fifty pompons, there were a hundred seedlings, among the latter being a number of great beauty and promise.

### DENISON'S FLOWER SHOW.

The third annual flower show at Denison, Texas, held under the auspices of the Civic Improvement League, Nov. 11, 12, 13, was a great success in every respect, and impressively evidenced the splendid effect of the efforts of the League in the interest of civic improvement. Amateur growers made a fine showing and the exhibits of the schools exceeded all expectations. Thousands attended the show, which was kept open one day longer than originally planned, in order that people in nearby towns might attend. Among the commercial prize-winners on chrysanthemums were: Elmer D. Smith & Co., Adrian, Mich.; Jos. W. Vestal & Son, Little Rock, Ark.; Mrs. T. B. Hurt, Navasota, Tex.; D. A. Saunders, Waco, Tex.; Mrs. T. M. Henderson, Paris, Tex., and Mrs. Joe Fritz, Denison. Many premiums were awarded in the amateur classes.

### LOCAL FLOWER SHOWS.

**Brandon, Man.**—The first chrysanthemum show was held in City Hall on Nov. 20 and proved a success. H. L. Patmore won the silver cup for best display of plants and for cut blooms, and other prizes were awarded to amateurs.

**Austin, Tex.**—The new greenhouse at the State House, under the care of C. W. Day, was thrown open to the public on Nov. 23, and the fine collection of plants was generally enjoyed.

**Denton, Tex.**—The first chrysanthemum show will probably not be the last if the enthusiasm and large attendance is any criterion. Roses vied with the Queen of Autumn for attention.

## INDOOR FRUIT CULTURE.

Paper Read by William Downs before the Gardeners' and Florists' Club of Boston.

(Continued from page 713)

## Insects.

The two insects most detrimental to the grapes are mealy bug and red spider. The former is a great problem and if plants can be kept out of the house it should never be found there, but so often it is necessary to use the house for plants and it is almost sure to get in. If it is there kerosene emulsion to paint the vines in winter, and applications of hydrocyanic acid gas in the fall, and alcohol in the hands of a careful man should minimize the trouble. A good plan to keep the bunches clean is to put a wad of cotton batting around the stem, the bug not caring to travel over this. We washed our vines in one place with water at nearly boiling point in the winter and that killed many of them; "after them all the time" is the watchword. In the case of the red spider it should be kept down by syringing; in fact, if syringing is properly attended to this can be almost exterminated; a little sulphur on the pipes helps greatly.

## Peaches and Nectarines.

Another class of fruit which well repays indoor culture is peaches and nectarines, and they can be brought along so as to be ripe before grapes. They are perhaps, on the whole, of easier culture than grapes, and are admired for their beauty, as well as appreciated for their good flavor. I know of nothing more delicately beautiful than a house of peaches and nectarines in full flower, and coming at a time when we are just emerging from the dull, cheerless winter scenes makes them doubly appreciated. Again when ripe, what can equal the blush on the peach, that delicate tinge of coloring which no artist has as yet been able to reproduce. The very name nectarine, conveys to the mind something very luscious, which they are indeed when properly grown.

In regard to the peach house, much that has been said of the vinery applies to that as regards size and border construction, good drainage being essential, and the roots being confined inside. In making the border I would put in no manure except inch bones, with a liberal quantity of lime rubble, or failing this, broken brick bats, the former being preferable. The reason for putting no active manure in the border, is that the tree while young will naturally make strong growth, and this will not produce fruit, it being much more difficult to set fruit on strong wood than on that of medium growth.

## Planting the Peach House.

There are two distinct methods of planting a peach house at the present time, namely planting on the sides of the house, training the trees under the roof, and cross-planting, training the trees to upright trellises. While I have had no experience with trees planted in the latter manner, I think there is much to commend it. It is considerably easier to care for your trees in every way, as insects can be kept down by syringing, you being able to reach

## MELON HOUSE

Estate Geo. W. Vanderbilt, Bar Harbor, Me., Edward Kirk, Gardener.



The accompanying cut was taken in the interior of one of the melon houses on the estate of Geo. W. Vanderbilt at Bar Harbor, Me. The varieties shown are Sutton's "Ringleader," "Superlative" and "Hero of Locking."

every part of the tree, and in tying and training there is a great advantage. It is contended by some that by this method the trees get more shade from each other, as they must necessarily be planted reasonably close, yet I think if the house runs east and west this objection is to a great extent removed, as the sun would shine between the rows most of the day, at least through the hours of the best sunshine. Under this method the trees are planted about 6 ft. apart and in a house 25 ft. wide a row on either side of the walk can be planted, thereby getting quite a number of varieties, even in a house of comparatively small dimensions. Still I think for the best results it would be easier to plant the trees in the middle of the house, and have the walks at the side, thereby giving the trees a greater spread; but not so many varieties can be grown in the same space.

Planting on the sides of the house is the other method and has been the general method, used, I presume, ever since peaches have been grown under glass. We have planted so much closer than they used to be, getting so many more varieties in the same size of a house. In one house 33 ft. long and 25 ft. wide, we planted twelve trees and with the varieties coming in at different times we have had fruit almost every day for ten weeks; this, I think, being a great consideration for family use.

## Training.

Having secured fan-trained trees, if they are grown outside the first season, so much the better, and they can easily be trained by tying to stakes and wire netting and they will be in fine form and condition to plant inside the next winter. This shifting helps to

Mr. Vanderbilt's gardener, Edward Kirk, is an expert melon grower and has great success with them. At the first annual flower show held last August, Mr. Kirk took all the first prizes with his melons. He raises two or three houses each year.

check the rampant growth. They may be allowed (if they have made good growth) to carry about six fruit the second year. The rule to go by is to carry one fruit to every square foot of surface in a healthy tree, yet I suppose almost all of us considerably exceed that number, though I have no doubt it would pay in the end. I have heard the objection raised to this close planting, that the trees will not live so long. Well, if they do not, they so soon come into bearing that they need give us no concern, and the advantage in length of season, by being able to plant more varieties, more than counterbalances the short life.

It would not be possible in so short a paper as this to go into the detail of properly training a peach tree, and with the method I have advocated (close planting), this could not be properly carried out. The main object in view is good fruiting wood distributed evenly over the tree, and to obtain this careful stopping of strong, rampant growths, and pinching of laterals must be carefully looked after.

## Planting and Starting Peaches and Nectarines.

Peaches and nectarines should be very carefully planted, making sure to have the soil firm under the tree, the roots all carefully laid out straight from the trunk, evenly as far as possible, and the extreme ends only slightly pointing down, keeping them nearly horizontal, working the soil carefully between the roots, firming the whole down, a good watering given, and the tree is ready for starting at the proper time. The branches should be tied to the wires and one thing to remember is that the wood swells considerably in a season, so plenty of room should be left to allow of this

swelling, or the tying material is likely to cut into the wood causing gumming and strangulation. At starting time a good watering should be given, and at no time should the border be allowed to get dry, not even in winter when the trees are dormant. If it does, a loss of buds is most sure to be the result.

They should be started at a night temperature of 45 deg.—day temperature 10 or 15 higher. After two weeks this should be increased gradually until they are in bloom, syringing twice a day and shutting up with sun heat in the afternoon; but on no account try to force them too much at first for if you do the wood buds will get ahead of the flower buds and a poor set will result.

#### Care When in Bloom.

When in bloom the house should be kept free from moisture. No syringing, and a crack of night air with a slightly lower temperature is the best condition at this time. When the blooms are fully expanded and the pollen dry, which is generally near the middle of the day, a good sharp rapping of the trees distributes it; a rabbit's tail on a stick or a camel's hair brush is all that is necessary to set the fruit. Once or twice through the blooming season a very slight syringing is very beneficial. This should be done in the middle of the day so that the trees will be sure to get dry before night.

Another means employed is to take a hive of bees into the house. This seems too cruel to me as so many of them die and it is entirely unnecessary when these other means are employed. There is no danger of not enough fruit setting; in this country the trouble seems to be too free setting.

#### Disbudding and Ripening.

After the trees go out of bloom a thorough syringing every fine morning must be resorted to and a higher temperature maintained until the stoning period, when they must be kept cooler and less water given, or cracking of the stone will result. After stoning they will swell very rapidly and almost any amount of heat and moisture may be given them. When ripening, plenty of air, and less moisture both in the house and border must be used, but on no account let the border get dry, or dropping of the fruit may result. Never syringe in the afternoon, except in the earlier stage before blooming, or rust on the fruit will ensue.

After the blooms are set the wood will begin to grow, and disbudding must be taken care of; all surplus growths should be rubbed off, taking care so far as possible to leave one growth at the base of the last year's growth; this will be the wood for next year's fruiting. Of course all surplus growths cannot be taken off at one operation. Generally we take off all the growths on the underside of the limb first and then turn the others to be taken off as the shoot from the base grows, during the whole operation gradually before they get too long, though a peach tree seems to resent pruning less than any other tree. These shoots must be tied in, as it is termed, or down to the wires and kept in a line with the border, as the straighter the growths are kept, the

better the general appearance of the tree. If any shoots make a rampant growth they can be stopped and will produce two or three medium growths which will make good fruiting wood. The fruit should be thinned as soon as it is possible to determine which will swell, and it will be necessary to go over the tree several times to be sure and leave plenty and not overcrop the trees. A good plan is to leave the fruit rather thick until after they are stoned as sometimes from one cause or another the trees will drop quite a few fruit during the stoning period.

The fruit should be left on the tree until thoroughly ripe and great care is necessary in removing it from the trees so as not to injure it as it is very easily bruised. Going over the trees every day grasping the fruit lightly with a slight twist, without pinching, will take off all fruit that is ready. A man can soon become expert at this when doing it every day and will almost know by sight the fruit that is ready.

After the fruit is taken from the trees do not make the mistake so many do of neglecting the trees; keep them syringed, and this can be thoroughly done now, and go over them and take out all the wood not required for next season's fruit, so giving that remaining all the chance to make up its buds and ripen the wood thoroughly.

I have mentioned in the treatment in regard to watering that the border should never be dry, but on the other hand it should not get so much water that it becomes sour. I never water without first testing the border with a spading fork, and a good plan is to lightly fork over the entire border occasionally, this making it possible to water more evenly.

#### Feeding Peaches.

As to manures, this is a very important part of fruit growing, and must be done with consideration of what you are trying to produce with that manure. If swelling the fruit is the consideration, liquid cow or sheep manure is the best means of applying it, but to make growth and complete that growth so as to produce good fruiting wood, something more than nitrogenous manure is needed, Phosphoric acid and potash are required. The latter exists to a greater or less extent in our soils, so liberal quantities of bone with a manure such as sheep manure will give the best result. Thompson's Vine manure is good and I use it with the others, but I rely to a great extent on bone. If a tree is making very vigorous growth it can be tempered by using bone alone, and on the other hand it can be encouraged by the use of nitrogenous manure to put on more vigorous growth when weak.

Don't overcrop, thoroughly syringe to keep down red spider, watch your border, give plenty of manure and water during the second swelling, and fine, luscious fruit will be your reward. Nice fruit can be grown in tubs; these will come in useful whilst your trees are filling up the house.

Perhaps a few words in regard to the tying of the trees would not be amiss. Too many make the mistake of tying them much too close, not giving room enough for the proper development of the foliage. They should be about 6 in. apart over the tree. Of course judgment must be used in this

matter as it would be ridiculous to tie it so far apart with small growths. I am speaking of healthy trees. The finest peaches and nectarines I ever saw were grown on this plan and peaches of the weight of 17 ounces and nectarines in proportion were produced. They were grown by Mr. W. H. Divers of Ketton Hall, England, now gardener to the Duke of Rutland. Geo. Munroe, that veteran salesman of Covent Garden, told me that they were the finest he had ever seen. I think they were the result, to a great extent, of the growing of the trees with the shoots far apart. Red spider, thrips, mealy bug, and scales are the chief enemies of the peach family. What has been said of them in grape growing applies here also. Thrips can be got rid of by using Nicotinic acid, syringing with fir oil, or Nicotine. Scale can be got rid of by using the gas when the trees are dormant, and a quite heavy dose may be applied at this time. I rid my house of San Jose scale with one dose of it, using in the house 33 ft. long by 25 ft. wide, two pounds of cyanide of potassium. Frequent smokings for green fly will be found necessary whilst the foliage is young and care should be taken to clear them out just previous to the flowers' opening or they will do considerable damage.

Alexandria, Gros Mignonne, Dymond, Goshawk, Violette Hative, Thomas Rivers and Sea Eagle are amongst the best varieties of peaches, while Cardinal, Early Rivers, Lord Napier, Stamwick Elruge, Humboldt and Pine Apple are the best nectarines, and ripen in the order named. Victoria is a late one but I found it of very indifferent flavor.

#### Strawberries.

I now come to the third and last section of fruit grown under glass, viz., strawberries. While with the other two sections it needs special houses to grow them, strawberries can be grown by almost anyone who has a little heat at his command, and they well repay the little care necessary to bring them into fruit. No berry grown out of doors can ever compete for flavor with the indoor one when properly grown. The earlier the runner can be obtained the better; these should be layered in pots filled with good turfy loam, a small stone being placed on the layer to keep it in place; kept well watered, and in about two weeks the pots will be filled with roots. It should then be cut off and left for a few days. It can then be potted up into the fruiting pot, which should be a 6-inch pot. The compost best suited to them is a good turfy loam with one part of old cow manure and a liberal sprinkling of bone. They should be potted firmly in clean pots, put in a shady place for a few days, and then set on or plunged in ashes, carefully watered, when dry given an abundance, syringed frequently, and given all the sun and air that comes. This will build up a good fruiting crown.

They should be plunged in a frame in coal ashes before the frost is severe enough to crack the pots, and kept as near the freezing point as possible until you are ready to start them. About Jan. 1st to the 14th is early enough to bring the first batch in. These should give fruit in April and successive batches brought in every



two weeks will give a regular supply of fruit until the fruit ripens naturally out of doors, the last batches being ripened in the frames.

When preparing to force them, as much of the old soil should be taken off as can be done without disturbing the roots, the pots washed and the drainage looked to, and a mulching of a good rich compost applied and rammed firm.

#### Cultural Rules.

A temperature of 40 deg. is plenty to start them, with a gradual increase as the plants start to grow. Plenty of air on all occasions, a dry cool atmosphere whilst setting, and plenty of heat and moisture when swelling are the main requirements of the strawberry. A good place to swell the fruit is in a vinery or cucumber house, as they revel in that moist atmosphere. It is necessary to go over the flowers with a camel hair brush to set them, thinning the fruit when set to about nine to a pot; sometimes twelve is left. Removing them to a cool airy house when ripening gives them a much better flavor than if kept in so much heat and moisture. I find a shelf in a carnation house an ideal place to ripen them, and at the time they are ripe (April), they do not do any harm to the carnations in the way of shade. It is necessary to support the trusses of fruit, and small forked twigs are the best means; if the stems get bent the fruit never gets a good flavor. Plenty of manure water and a few dressings of a chemical fertilizer will swell the fruit to a good size. Green fly and red spider are about the only insects to contend with, and it is unnecessary for me to repeat the methods to combat them. I find Marshall the best to force, being of good size and color, and the flavor is all that could be desired. I think one variety of strawberry is enough; you can keep up a more steady succession than with more varieties, and Marshall has filled the bill with me. I omitted to say that a temperature of 55 to 60 deg. at night will help them throw out their flower stems, giving a longer stem than when grown cooler.

I have endeavored to make clear the main points of fruit growing under glass, and if I have said anything that will be of service to anyone I shall feel more than repaid for the trouble taken. There is no more fascinating branch of our profession, and we have to go at the present time to the old country for fruit growers, but I don't see why in the future there should not be sufficient work done here to produce men trained in this work.

#### GARDENS ET BASSES-COURS.

The above is the title of a new fortnightly publication devoted to rural pursuits in France. It is edited by Albert Maumene and published by Hochette et Cie of Paris at 4 cents the number or \$0.80 per annum. It is issued on the 5th and 20th of each month. It is illustrated, but the typographical execution is hardly up to the standard of the average American periodical.

C. H. P.

F. H. Kramer has named his seedling rose, hitherto known as No. 116, Eva Cooke. The young lady thus honored is the daughter of George H. Cooke, the florist, of Washington.

### THE CYCLAMEN AS A CHRISTMAS PLANT.



#### CYCLAMENS

Thomas Roland, Nahant, Mass.

There have been some magnificent specimens of cyclamens of highly developed strains shown at the spring exhibitions, particularly at Boston. These plants, however, are usually two years or more old and, as every grower knows, their production with a mass of bloom in April or May is not remarkable. The plants shown in the picture are, however, unusual, as they are but fifteen months from seed and demonstrate the possibilities with the cyclamen as a Thanksgiving Day or Christmas flowering plant. Thos. Roland, Nahant, Mass., recognized as one

of the most skilful plant growers in this country, was awarded a bronze medal at the National Flower Show for his cyclamens shown early in November. We might add that the plants illustrated are not merely a few selected from the many, but are just a fair sample of the thousands which fill three houses, ready for the Christmas demand. So well-liked are these in the Boston market that 8-inch specimens are readily taken at \$36.00 a dozen by the leading retail stores and, no doubt, when other localities can show them, they will find an equal approval.

#### CHRISTMAS AT CRAIG'S.

Philadelphia ought to be thankful. Not every town has within arm's length the wealth of well-selected and skilfully grown flowering and foliage plants that are to be found in readiness for every holiday at the big Craig establishment. In many respects, other than the magnetic personality of its gifted proprietor, this place is unique and a visit to it is an inspiration.

At present, the most attractive sight is probably the Lorraine begonias which are seen in great quantities and remarkable uniformity all the way from little 3 in. pot size for basket filling, up to specimen plants big as a half bushel measure. Cyclamens are fine, as usual, although the recent muggy weather has been rather hard on them. There are azaleas, oranges, ardisias, dracaenas and all the other good things usually provided for Christmas at all well-conducted plant establishments, but the two specialties of this place, crotons and Ficus pandurata, are an attraction duplicated nowhere on this continent. Of the great luxuriant rubber with its fiddle-shaped leathery foliage there is a veritable tropical forest, and Mr. Craig says that he finds it impossible now to keep up with the demand for it.

As for crotons, they are simply beautiful. Craigii, the brilliant yellow variety, with its 3-lobed leaves, catches the eye the moment one enters the house. The two best of Mr. Lonsdale's phenomenal batch of seedlings, mentioned in our former notes, have been named Ed. Lonsdale and Robert Craig. They are somewhat alike, with bronzy red and orange entire foliage,

but their special claim to superiority is their free and rapid growth. Mr. Craig asserts that in a selection of the best five crotons these two varieties would have to be always included.

Leaving the plant houses, a glance into the carnation houses will prove interesting. There are several seedlings of unusual character in which high hopes are centred. One is a pure white with outside petals almost smooth-edged, but centre petals deeply lacinated, producing a pleasing frosty effect. Another is scarlet, a great bloomer and, compared with Beacon which is growing on the adjoining bench, it is less grassy than that popular variety and seems to be considerably ahead of it in brilliancy of color. Another seedling which promises great things is what might be called an improved Enchantress. The color is slightly deeper with a suggestion of stripes through the petals, and the flower is higher in the centre and better modeled than Enchantress. It is also very fragrant. A sport from White Perfection is seen, with color of Enchantress and a clear, soft, satiny finish, and all the character otherwise of the parent. The three seedlings above mentioned are the entire saving out of a block of 800 under number. So they ought to be good!

Wellesley, Mass.—Among the notable gifts to the botany department of Wellesley College recently announced are the lichen collection of the late Clara Eaton Cummings, specimens from Mrs. Maud C. Wiegand, 100 European specimens from Mrs. Frances L. Ferrero, and \$500 from a donor whose name is withheld.



## The Moving of Two Iron Frame Houses.

WM. SIM, CLIFTONDALE, MASS.—EBEN JORDAN, WENHAM, MASS.



Wm. Sim's House, 43x200, at Cliftondale, Mass.

The practical portability of the iron frame house of sectional construction, was demonstrated in two very interesting instances this season—William Sim, the sweet pea grower, bought an erected house 43 feet wide and 200 feet long, from T. T. Vandervere, Concord, Mass. Mr. Sim's own men took the house down, loaded it on the cars and re-erected it at Cliftondale, just outside of Boston. With a house of this width, having such long spans of unwieldy rafters to handle, its erection by practically unskilled men is certainly interesting.

Mr. Sim, like our Western friends, does not figure the size of his range as so much glass surface—but as "covering 100,000 square feet of ground space" or that "it takes 375 gallons of paint to go over it one coat." The steam heating arrangement is somewhat of a departure, as all the pipes are placed on the sides and all flows feed from an 8 inch main at one end of

houses, and directly into return at the other end. All flows are valved at each end so any number of pipes can be used.

One 3-inch return, which is placed outside the houses in a plank-lined conduit, carries all the condensation to the automatic pump and then back into the two 125 H. P. boilers. Mr. Sim says, "contrary to impressions, there is

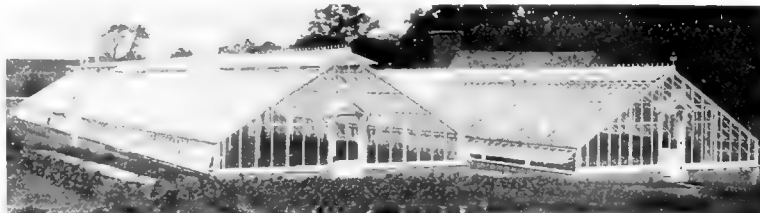
sixty miles to Wenham, and there re-erected. Aside from the replacing of the cypress benches and adding a connecting passage between the work-room, the range in its present location is unchanged.

The new benches for the rose house were made with deep sides for 8 inches of soil, it being the idea of Mr. Abraham, the superintendent, that plenty of

room should be had for top dressing where the plants are carried over. He raises his cucumbers and melons in hills without any additional soil in the benches.

Here are two notable examples of the portability of the iron frame greenhouse. Not that any one builds with the idea of removal, but it certainly

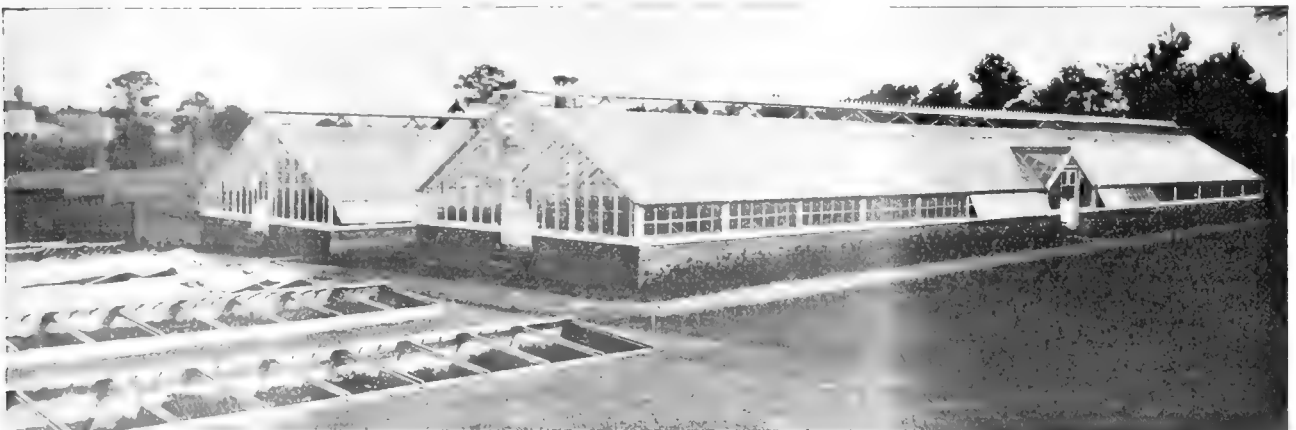
would seem to be an advantage to have a construction that can be removed with least trouble and expense, should the necessity arise—one in which the frame goes together entirely with bolts and screws and, because of the method of attaching the bars at both plate and ridge, with a sash bar clasp, can be easily unscrewed and taken down without any injury to the bars.



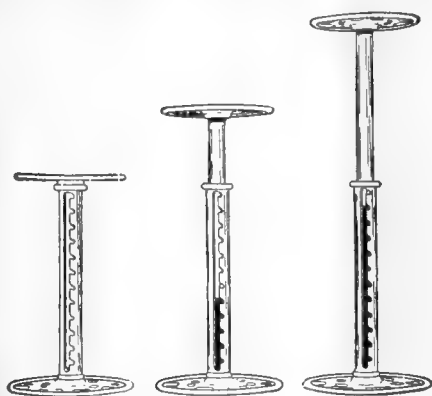
The Jordan Range as it Looked at Plymouth, Mass.

practically no variation in the temperature in any part of the house with his all-side piping."

The Eben Jordan two houses, each 24 feet wide and 12 feet long, which were erected seven years ago at Plymouth, Mass., have been torn down by Lord & Burnham Co.'s men and taken



As the Jordan Range Now Is at Wenham, Mas



# IT'S TIME

"To Make a Noise Like an Order,"

## IF YOU DESIRE OUR ADJUSTABLE PLANT STANDS

for the coming Fall and Winter Horticultural Displays, as we are rapidly selling up our production until that time, and late comers will be disappointed.

**Prize winners this season for display and banking of plants will be those equipped with The Moore-Livingston Adjustable Plant Stands.**

With three sizes of stands all heights can be obtained from 6 to 48 inches.

If your seedsman or supply house cannot furnish them, write, phone, wire or cable us and we are "Johnnies on the spot" for a prompt reply as to where they can be obtained.

**The Moore-Livingston Co** MAKERS AND PATENTEES **Lansdowne, Pa.**

**PHILADELPHIA OFFICE:** Cen'ral Trust Building, 4th and Market Sts., Philadelphia

### OBITUARY.

#### Henry Pearce.

Henry Pearce, a well known florist of Buffalo, died on November 21. He leaves a widow and three children.

#### N. Studer.

N. Studer, one of the pioneer plant growers of Washington, D. C., died at his home in that city on November 23, aged 70. He was a native of Switzerland.

#### Prof. J. G. Lemmon.

Prof. J. G. Lemmon, one of the best known botanists on the Pacific coast, died in Berkeley, Calif., November 24, aged 74. He is survived by his widow and a brother who resides in Michigan.

#### Peter M. Novik.

The mangled body of Prof. Peter M. Novik, a Norwegian instructor in horticulture at the Maryland Agricultural College, was found on the railroad track at Hyattsville, Md., on Wednesday, Dec. 9.

#### W. J. Beatty.

William J. Beatty, born in Belfast, Ire., in 1827, died at his home in Pittsburgh, Pa., November 24. He came to this country in 1850 and was actively engaged as a nurseryman and gardener for many years.

#### Walter Slade.

Walter Slade, who for many years carried on the florist business at Franklin, Mass., died in Attleboro, December 5 after a brief illness. He was 63 years of age, and leaves a widow, two sons and two daughters.

#### Archibald J. Taylor.

A. J. Taylor, aged 45 years, of Burlington, Vt., was killed on Saturday night, Dec. 5, in an automobile accident. Two other gentlemen who were in the auto with him were seriously hurt—one of them probably fatally. Mr. Taylor, who has been for many years engaged in the florist business in Burlington, sold out three weeks ago to W. F. Peters and was preparing to start on Dec. 7 on a trip to Florida with his wife and ten-year-old daughter.

#### John Baker.

John Baker, superintendent for Philip Dexter at Manchester-by-the-Sea, Mass., was killed Dec. 13, by a

premature explosion of dynamite. Mr. Baker was born Feb. 22, 1858 of old Puritan stock. In early life he was engaged in saw-milling and farming pursuits, later in dairying and market gardening. For fifteen years Mr. Baker has been superintendent of the Essex County Club grounds. Recently he took charge of road building, etc. on Mr. Philip Dexter's estate. He invented the Baker Horse Lawn Shovel. Mr. Baker took an active part in

tional Church, Sunday afternoon, attended by the Horticultural Society in a body, also Magnolia Lodge, 149, I. O. O. F. The burial was with Odd Fellows' rites.

He leaves a widow and six children.  
**ROBERT A. MITCHELL.**

#### Mrs. Maria Gertrude Kresken.

Mrs. Maria Gertrude Kresken, wife of H. A. Kresken, died at her home, 808 Vine street, Cincinnati, Tuesday, Dec. 1st. A short time before her death she suffered from a stroke of paralysis from which she failed to rally. The body was incinerated at the Cincinnati crematory Friday, Dec. 4th.

Mrs. Kresken was one of the pioneer florists of Cincinnati, having occupied the same store on Vine street, near 8th, for about 36 years. The funeral was largely attended and there was a wealth of floral tributes expressing the love and sympathy of the florists of this city.  
**F. W. BALL.**

#### Martin R. Smith.

It is with sincere regret that we record the death of Martin R. Smith, President of the National Carnation and Picotee Society, at his home in Hayes, Kent, England, on November 8. Mr. Smith was known on both sides of the water as the raiser of border and Malmaison carnations, and a long list of this specialty attests to his painstaking efforts.—Childe Harold being his first success and John Ruskin his last effort. Mr. Smith was among the first sixty horticulturists who received the R. H. S.'s Victoria Medal of Honor. He was a genial, kindly, unassuming gentleman, and will be a great loss to horticulture.

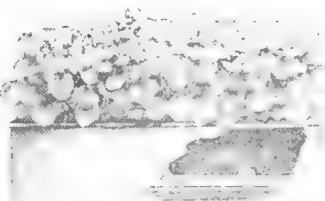


JOHN BAKER

public affairs. He was Past Grand of Magnolia Lodge, I. O. O. F., treasurer of the North Shore Horticultural Society and chairman of the show committee. He was one of the workers who inaugurated the tent shows held on the Essex County Club grounds.

The funeral was at the Congrega-

## PLANT BULBS IN THESE WINDOW BOXES



They are as useful for winter indoors as for summer outside. They are self watering and will save you watering. All you need is to show them to your patrons.

**THEY ARE GOOD CHRISTMAS SELLERS**

Water your needs retarding but, nice in two weeks. Made of galvanized iron. Rust proof, leak proof, beautifully finished, and will last for many years. Made in all sizes.

**Send \$2.00 for Sample Box**

37-in. long, and see how quickly you can double your money and also increase the sale of your plants. Illustrated booklet sent free on request.

**Illinois Heater & Manufacturing Co.**  
3946 Wentworth Ave., Chicago, Ill.

# Christmas Evergreens



**Extra Fine Cut Boxwood Sprays**  
 \$16.00 per hundred lbs.  
 Princess Pine Evergreen 8.00  
 Laurel Festooning 5.00 and 6.00 per hundred yards  
 Princess Pine 6.00  
 Fancy Holly, Extra Fine Quality 5.00 per case  
 Laurel Wreaths, made up extra fine 2.00 and 3.00 per dozen  
 Boxwood Wreaths, made up extra fine 5.00 and 9.00 per dozen

**Holly Wreaths, Extra Quality, covered both side** 6.00 per dozen  
**Southern Wild Smilax** 3.50 and 7.00 per case  
**Branch Laurel** 50c per bundle  
**Dagger and Fancy Ferns, Extra Quality** 1.50 per M  
**New Crop Brilliant Bronze and Green Galax** 1.00 per M  
**Immortelles, all colors** 2.50 per dozen

A large stock of Florists' Supplies on hand. When you place your order with us you can rest assured that it will be filled promptly, properly and to your satisfaction. We never disappoint, satisfaction guaranteed, orders filled at a moment's notice.

Telephone, Write or Telegraph. Tel. 2617, 2618 Main

**HENRY M. ROBINSON & CO.,** 15 Province St. and 9 Chapman Place  
**BOSTON, MASS.**

## CHRISTMAS TRADE IN PHILADELPHIA.

### And Some News Items from That Busy City.

Growers of flowering and foliage plants for the Christmas trade have been busy the past week packing and shipping their early orders. There is a good demand, and the choicest stock is being rapidly picked up in some lines, notably in cyclamens and poinsettias in pots and pans.

Palms are going unusually well. The Joseph Heacock Company and others making a specialty of this item, are well pleased with trade so far and say the advance bookings are away ahead of last year. Mr. Heacock gives exceptional value in his Kentias, especially in the "made up" pots, which have come to be leaders among the standard Christmas favorites.

Dennis T. Connor, of the Lord & Burnham Co., left for Baltimore and Washington on the 7th inst. He reports a revival of interest in building and supplies, and a hopeful outlook not only in this territory but further south.

Godfrey Aschmann is one of the busiest men in town, waiting with his perennial Christmas smile on the crowds who visit his establishment daily from all over the country. All wonder how he can do things so astonishingly cheap and good, and are often surprised to find that the goods are just as advertised. When Mr. Aschmann offers a fifty-cent araucaria in HORTICULTURE it is still fifty cents when the customer gets there, and not a dollar as some of his chagrined competitors try to make out.

Ardisias are a little green as yet but will be just right for Christmas, as they color up very quickly. We saw some very fine at Craig's.

The trade in cut boxwood has assumed important dimensions. The Pennock-Meehan Co. seem to be headquarters for this, if one may judge from the hundreds of barrels, boxes and crates of it constantly being rushed off from the shipping department.

Our good friend Anton Schultheis, of College Point, N. Y., must have been getting some good orders from Philadelphia on his last week's offer of Ericas, etc., in HORTICULTURE, to judge from the excellent showing many of our wide-awake florists are making of this here.

Holly, mistletoe, lycopodium and

other green headquarters, is as usual around Michell's, where Philip Freud is working night and day to get off the orders. A new idea this year is assorted boxes of berried greens, etc., all ready to take home. Holly is excellently berried and well-colored this year.

## CHICAGO'S CHRISTMAS OUTLOOK.

A series of trips in and about Chicago shows that there is plenty of stock for the Christmas market. It is a peep behind the scenes before the curtain goes up. Trade is rather quiet this week as it usually is preceding a holiday.

Anton Then, who grows both plants and cut flowers, has fine poinsettias and cyclamens that are in extra shape for Christmas.

Frank Beu grows cut flowers only, having about 50,000 carnation plants. His pompon chrysanthemum, Mrs. Frank Beu, which received mention at the Flower Show, is still in excellent condition and Mr. Beu expects to cut blooms for the holidays. It is full, of a very deep yellow, and makes an ideal pot plant.

Mr. Collins of the Parkside Greenhouses will add to the Christmas supply with cut poinsettias and nice azaleas and cyclamens.

At Sinner Bros. it looks now as if Richmond rose would be especially fine for the holidays. Mr. Sinner considers Victory, White Perfection and Aristocrat three of the best carnations for general purposes. He finds Aristocrat will stand more unfavorable conditions in the field than Lawson.

N. C. Moore Co. have only a small plant but will have some good carnations and green stock.

The Geo. Wittbold Co. is offering among other things exceptionally fine Lorraine begonias. Mr. Wittbold thinks the outlook for the winter is decidedly good.

At Sam Pearce's place on the North Side we find the azaleas are unusually advanced for this time of the year and poinsettias, lilies, Roman hyacinths and Paper Whites all in excellent shape.

Ernest Oechslein has a well established business at River Forest. He grows plants only and his Christmas stock consists mostly of cyclamens and poinsettias. It would be hard indeed to grow too many of these plants for the Chicago market at the holiday season.

Bentley & Co. say that the prospects for a fine cut of roses are very promising. Brides, Bridesmaids and Killarney roses will be in good crop. The supply of Beauties will be limited; carnations will be of excellent quality. Extra fine mignonette is in sight as well as sweet peas.

A look in at Wiator Bros. plant shows there is plenty of good stock here. They specialize in roses and carnations.

Zeck & Mann grow roses and carnations. Richmonds and Killarneys promise to be especially fine for Christmas.

Frank Oechslein has his stock in prime condition for Christmas. The poinsettias number well into the thousands and both in pots and pans are even better than usual. Azaleas are very good. Simon Mardner, Vervaneana, Hexe, Mme. Petrick and Deutsche Perle are the leaders. Cyclamens are at their best, strong and well covered with bloom. Primula obconica and Lorraine begonias, ardisias, cherries, peppers and oranges are exceptionally fine. Mr. Oechslein is not given to much talking but he is very optimistic over the Christmas outlook.

Bassett & Washburn expect a record breaker in their new red carnation, O. P. Bassett, as they have benched 50,000 plants and they are in full bloom for Christmas. Giganteum and Formosa lilies are here in plenty. Beauties will be of fine quality but very scarce. In mixed roses Killarney and Richmond will be most in demand.

Peter Reinberg is cutting from ten to fifteen thousand of the new rose, Mrs. Marshall Field, per day and expects also to have a big supply of Beauties for Christmas.

J. A. Budlong grows for cut flowers only. His place is well stocked with Maid, Bride, Richmond, Killarney and Beauty. In carnations, Mr. Budlong's Enchantress, White Perfection and Aristocrat promise a big crop for Christmas.

Poehlmann Bros. are cutting twenty thousand carnations daily; twenty-five to thirty thousand lily of the valley are ready and no end of lilies. It looks now like a big cut of Richmond, Killarney and other tea roses. A few chrysanthemums will be left of the Merry Christmas variety.

Vaughan & Sperry, Percy Jones, Ed. Winterson and the rest of the commission men are all ready for big things. Charles McKellar specializes in orchids and promises a rich assortment.

# Prepare For Christmas!!! Open Your Eyes!!!

Biggest cut in Araucarias the world has ever seen. Just think!! CUT THE PRICE IN HALF, so low as to allow the entrance of this noble Evergreen Decorative Plant to be the welcome guest of every household at Christmas. The Trade will be astounded, whisper and say "It is impossible; Godfrey Aschmann must have lost his reason."

**ARAUCARIA EXCELSA**, 5-5½-in. pots, 3-year old, 4 tiers, 15 to 17 in. high, usual price, \$1.00. Look! Now only 50c.  
**ARAUCARIA EXCELSA**, 5½-in. pots, 3-year-old, 4 to 5 tiers, 17 to 20 in. high, usual price, \$1.25. Look! Now only 60c.  
**ARAUCARIA EXCELSA**, 6-in. pots, 4-year-old, 5 to 6 tiers, 20 to 24 in. high, usual price, \$1.50. Look! Now only 75c.  
**ARAUCARIA EXCELSA**, 6-in. pots, 4 to 5-year-old, 5 to 6 tiers, 24 to 26 in. high, usual price \$2.00. Look! Now only \$1.00.  
**ARAUCARIA EXCELSA**, 6-in. pots, 4 to 5-year-old, 5 to 6 tiers, extra strong, usual price, \$2.50. Look! Now only \$1.25.  
**ARAUCARIA ROBUSTA COMPACTA**, 3 to 4-year-old, 4 tiers, 18 to 20 in. high, same in width, usual price, \$3.00. Look! Now only \$1.50.  
**ARAUCARIA ROBUSTA COMPACTA**, 4-year-old, 4 to 5 tiers, 25 to 27 in. high, same in width, usual price, \$3.50. Look! Now only \$1.75.  
**ARAUCARIA ROBUSTA COMPACTA**, specimen plants, 5-year-old, 5 to 6 tiers, 27 to 30 in. high, same in width, usual price, \$4.00. Look! Now only \$2.00.  
**ARAUCARIA EXCELSA GLAUCA**, 4-year-old, 4 tiers, 20 in. high, same in width, usual price, \$2.50. Look! Now only \$1.25.  
**ARAUCARIA EXCELSA GLAUCA**, 4 to 5-year-old, 5 tiers, 20 to 25 in. high, same in width, usual price, \$3.00. Look! Now only \$1.50.  
**ARAUCARIA EXCELSA GLAUCA**, 5-year-old, 6 tiers, 25 to 30 in. high, same in width, usual price, \$4.00 to \$5.00. Look! Now only \$1.75 to \$2.00.

**SPECIMEN GLAUCA**, 40-45 in. high, \$2.50.  
**KENTIA Belmoreana**, 5¼ to 5½ in. pots, 25 to 30 in. high, 50c., 60c. to 75c.; 4 in. pots, 20 to 22 in. high, 35c.  
**KENTIA Forsteriana**, 6 to 7-in. pots, 36 in. high, \$2.00 each; 6 in. pots, 25 to 30 in. high, \$1.00 to \$1.50 each; 6-in. pots, 20 to 25 in. high, 75c.; 5 to 5½-in., 50c.  
**Of BOSTON FERNS** we have a house full; 5½-in. 40c.; 6-in. 50c.; 6 in., very large, 60c.; 7-in. 75c. to \$1.00.  
**Scottii Fern**, 5-in. 35c.; 5½-in. 40c.; 6-in. 50c.; 7-in. 75c. to \$1.00 each, very large.  
**Whitmanii Ferns**, in pans, 8-in., 3 large plants in a pan, 75c. per pan; 9 in. pans at \$1.50, as big as a wash tub; 7-in. pots, as big as a bushel basket, \$1.00 to \$1.25.  
**Whitmanii Ferns**, 6-in. 50c. to 75c., hard to beat. We have a house full of them in excellent shape. Never so fine and so big as this year.  
**WILSONI FERNS**, in 6-in. pans, 30c.; 5-in. pots, 25c.

## Primula Chinensis

Everybody looks for Chinese Primroses at Christmas. You know this from your own experience.

We have a big middle bench full, in fine condition, partly in bud and bloom now, and will be in full bloom for Christmas and the holidays.

We have the best John F. Rupp improved strain. Price, per dozen, 5¼, 5½ to 6-in. pots, \$2.50 to \$3.00.

**Primus Obconica**, 6-in. pots, free of flowers and buds, 25c.

**REMEMBER WE ARE ALSO HEAD-QUARTERS FOR THIS SO MUCH ADMIRE CHRISTMAS NOVELTY: BEGONIA GLOIRE DE LORRAINE.**

In the past 5 years we made a special study of this plant, and under our special treatment we have obtained such results that we are now able to offer to our customers the *Begonia Gloire de Lorraine* in a more improved condition. The color is a deep rosy one, and the plants will stand well in headed or cold frames. Plants are partly in bloom now, and will be in their full glory for Christmas and New Year. The flowers will keep in bloom until February or March, and will stand shipping well. Price: 5½ to large 6-in. 50c. to 75c.; 6¼-in. extra large, \$1.00; 7-in. \$1.25 to \$1.50.

All nicely staked up with three green stakes, wrapped in tissue paper when packed for shipment. Shipped either in their original pots or paper pots, just as customers desire. Please advise when ordering.

**JERUSALEM CHERRIES** or *Solanum*, full of berries, 6-in. pots, 25c., 35c., 50c. each.

**FICUS, Elastica**, (Rubbers), 5-5½ in. pots, Belgium and home-grown, 25c., 35c.

**Arca Lutescens**, 4-in. pots, made up with 3 plants in a pot, 25c. per pot.

**AZALEAS**, 4 best varieties, in bloom for Christmas, 75c., \$1.00, \$1.25, \$1.50, \$2.00.

Cash with order please.

All goods must travel at customer's risk.

Mention whether desired in or out of pot.

**CODFREY ASCHMANN, - 1012 W. Ontario Street, Philadelphia, Pa.**  
 Importer, Wholesale Grower and Shipper of Pot Plants

## BIG MONEY IN FORCING ASPARAGUS AND RHUBARB

These roots must be frozen in order to force successfully, so you need have no fear of having them shipped now. This is the proper time to begin forcing them. Write now for prices. These roots selling rapidly.

WARREN SHINN, Nurseryman, WOODSTOWN, N. J.

## FERNS

In fine assortment, good bushy stock, 2¼ in. \$3.00 per 100. *Kentias* for centers, 10c. each. *Boston*, *Scottii* and *Whitmanii* ferns, 6 in 40c.; 4 in. 15c. *Kentia Belmoreana*, 5 in. 50c., 75c. each.

H. WESTON, HEMPSTEAD, N.Y.

WHOLESALE ONLY

## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: *Galax*, Green, 50c.; *Leucothoe Sprays* (green only), \$2.00; *Ferns*, Dagzer and Fancy, 7c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N.C.

NORTH CAROLINA EVERGREEN CO.  
 Banner Elk, - - N. C.



## RHODODENDRONS-RHODODENDRONS

An immense stock of all the hardiest known kinds, 2 to 3½ ft., fine plants and all home grown, many being on own roots, far better than grafted stock—also *R. Catawbiense* seedlings of all colors and seedling Hardy Azaleas not to be obtained elsewhere. This is the nursery in which most of the Rhododendrons that have proved hardy in America were raised.

GOLDEN YEWES, KALMIAS, and other HARDY PLANTS in great variety and of all sizes.

Catalogues on Application

ANTHONY WATERER Knap Hill NURSERY Knap Hill SURREY, ENGLAND

(No connection whatever with any other firm).

## HEACOCK'S KENTIAS

Our stock consists of strong, healthy well established home grown plants. A visit to our greenhouses will convince you. 25 minutes from Philadelphia. 50 trains each way every day.

### KENTIA BELMOREANA

7-in. pot, 6 to 7 leaves,	32 to 34 in. high,	....	2.50
7- " " "	36 to 38 " "	....	3.00
9 in. tub, " "	42 to 48 " "	....	5.00
9- " " "	50 to 60 " "	....	7.50

### MADE-UP KENTIA FORSTERIANA

7-in. pot, 4 plants in pot,	34 to 36 in. high...	2.50
7- " " " "	36 to 38 " "	3.00
9-in. tub, 4 " "	42 to 48 " "	5.00
9- " " " "	4 feet high, heavy.	6.00

We call attention to these KENTIAS as being of PARTICULARLY GOOD VALUE

JOSEPH HEACOCK COMPANY, - - Wyncote, Pa.

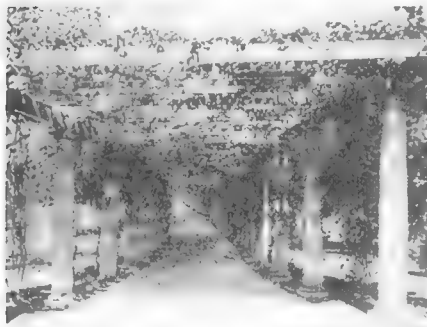
In writing to Advertisers kindly mention Horticulture

## A WEST VIRGINIA ESTATE.

A few days ago I had the good fortune to visit the beautiful home and estate of Mr. E. W. Oglebay in West Virginia. It is not my intention, in these few lines, to give a description of all I saw there, in such a short article I could not do justice to even one of the several departments, over each of which an expert presides, under supervision of the general manager.

Rome was built on seven hills, and one could almost say that Mr. Oglebay's country home at Waddington Farms, Elm Grove, West Virginia, occupies a thousand hills with a thousand valleys situated as it is in an ideal position, and at such an elevation where hills and valleys far and near are seen in every direction.

When this, one of the largest Colonial houses and estates in the South, came into the possession of Mr. Oglebay, it was at once enlarged, beautified and embellished to such an extent that it is now one of the most perfect country homes in America. No money has been spared in building good drives, ideal lodges, and gates, and laying out very extensive pleasure grounds, shrubberies, etc., where every desirable flowering and ornamental tree and shrub both deciduous and evergreen have been planted.



A Pergola at Waddington Farms

A drive sweeping to the east and some distance from the mansion faces first an annex for the overflow of guests, then a number of plant houses, erected by Lord & Burnham, about which I shall have more to say. Then come the estate offices and assembling rooms for the heads of departments. Beyond, on the north side are the driving stables adjacent to which there is a large, square yard surrounded by unique and ideal buildings for the accommodation of the high bred stud.

In the extensive glass house among many interesting things, I had my attention drawn to some seedling carnations, two of which are of special merit. One has been named "Sarita of Waddington," the other, after the type of Souvenir de Malmaison has not been named yet.

Mr. Oglebay and this estate to be a model where college graduates and others can take a post-graduate course and be instructed by this special training in all other such matters as the cultivation of such men or men with sound practical knowledge. Many wealthy gentlemen from following Mr. Oglebay's example or, having done so, may find the same in disgust.

GEO. A. BISHOP.

# Hardy Roses and Ramblers

## FOR FORCING

The right time to buy Roses is when they are fresh and well-ripened. Roses potted up in the Fall or late Winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

## HARDY PERPETUAL ROSES

We offer extra strong forcing two year old dormant, low budded stock, in the following varieties, TRUE TO NAME:

Price, 75c for 5 (of one variety), \$12 per 100, \$110 per 1,000.  
(Immediate delivery.)

**Alfred Colomb.** Carmine.  
**Anne de Diesbach.** Bright carmine.  
**Ball of Snow.** Pure White.  
**Baronne de Ronstetten.** Dark crimson shaded.  
**Baroness Rothschild.** Satiny pink, extra.  
**Captain Christy.** Delicate flesh color.  
**Duke of Edinburgh.** Bright vermilion; very fine.  
**Fisher Holmes.** Dark rich scarlet.  
**FRAU KARL DRUSCHKE.** The finest white in existence.  
**General Jacqueminot.** Rich velvety crimson.  
**General Washington.** Beautiful red, shaded carmine.  
**John Hopper.** Beautiful rose-pink.  
**La France.** The finest light pink.  
**Margaret Dickson.** White, pale flesh center.  
**Magna Charta.** Clear rosy pink.  
**Mme Gabriel Luizet.** Light satiny pink.  
**Mme Plantier.** White.  
**Mrs. John Laing.** Soft pink, most desirable variety.  
**Paul Neyron.** Beautiful dark pink.  
**Princess Camille de Rohan.** Velvety crimson.  
**Ulrich Brunner.** Cherry-red.

## CRIMSON RAMBLER

American Grown, The Only Stock for Forcing.

Large, heavy plants, two years old, mossed and packed in bundles of 10.  

	10	100
2 to 3 feet	\$1.25	\$12.00
3 to 5 feet	1.75	15.00
4 to 6 feet	2.00	18.00

## PHILADELPHIA RAMBLER

Extra Fine, American-Grown Stock.

	10	100
3 to 4 feet	\$1.75	\$15.00
4 to 5 feet	2.00	18.00
5 to 6 feet	2.25	20.00

## DOROTHY PERKINS

Resembles the Crimson Rambler, except in color, which is a lovely shell-pink, holding a long time without fading. \$1.25 for 10, \$12 per 100.

## TAUSENDSCHON

The new Rambler Rose. The name translated means a "thousand beauties." Color, beautiful rose, shading to pink. \$2.25 for 10, \$20 per 100.

## LADY GAY

A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, \$2 for 10, \$18 per 100; extra strong, \$5.50 for 10, \$50 per 100.

## THE BABY RAMBLER

(Mme. Norbert Lavavasseur)

Strong field grown plants, \$1.50 for 10, \$12.00 per 100.

## THE TREE BABY RAMBLER

Grown as a Standard.

The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. The variety is too well known for description; enough to say, it retains all its characteristics of free blooming qualities, etc. 35c. each, \$3.50 per doz., \$25 per 100.

## TWO NEW BABY RAMBLER ROSES

**CATHERINE SEIMETH.** A White Baby Rambler Rose, larger and better flowers than the type. \$2.25 for 10, \$20 per 100.

**BABY DOROTHY.** The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. Same color as Dorothy Perkins. \$2.75 for 10, \$25 per 100.

# Forcing Gladiolus

## Gladiolus Gandavensis Hybrids

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose:

**Americ.** The flowers, which are of immense size, are of the most beautiful flesh pink color, \$4.00 per 100; \$35.00 per 1000.

**Augusta.** The florists' best white Gladiolus. First size bulbs, 1 1/4 inches and up, \$2.00 per 100; \$18.00 per 1000.  
Bulbs 1 1/4 to 1 3/4 in. \$1.75 per 100; \$17.00 per 1000.

**Shakes.** Pure white and rose. \$1.75 per 100; \$15.00 per 1000.

**May.** Pure white, flaked rosy center. The best for forcing. Selected bulbs. \$1.75 per 100; \$15.00 per 1000.

**Branchlevensis.** The flowers are of immense size, are of the most beautiful flesh pink color, \$4.00 per 100; \$35.00 per 1000.  
Bulbs 1 1/4 to 1 3/4 in. \$1.75 per 100; \$17.00 per 1000.

**Boddington's White and Light Pink.**

lected bulbs, 1 1/4 in. and up, \$1.50 per 100; \$14.00 per 1000.

Bulbs 1 1/4 to 1 3/4 in. \$1.25 per 100; \$10.00 per 1000.

**American Hybrids.** A mixture of the choicest varieties of Gladiolus in cultivation. \$1.00 per 100; \$9.00 per 1000.

## Gladiolus, Colvillei and Nanus (type)

Plant some of these among your carnations; they will come in handy at any time.

**Blushing Bride.** Flowers are large, pure white with delicate pink spot. Useful for early forcing, 85c. per 100; \$7.00 per 1000.

**The Bride (Colvillei Alba).** This lovely white miniature Gladiolus makes a useful cut-flower for early Spring use; will stand forcing, 75c. per 100; \$15.00 per 1000.

**Peach Blossom.** The most beautiful of all the Colvillei type of Gladiolus; the color is a lovely soft pink, on the order of the Pink Fairy rose. \$2.00 per 100; \$18.00 per 1000.

**Ackermannii.** Salmon orange, with white edges, edged scarlet; very pretty. 85c. per 100; \$7.50 per 1000.

**ARTHUR T. BODDINGTON**  
SEEDSMAN

342 West 14th Street,

NEW YORK CITY



# MY OWN NEW CROP OF Salvia Splendens Varieties IS NOW READY

**Nana Compacta Zurich**, finest early flowering pot Salvia in existence, selected seeds.  
**Compacta Grandiflora Fireball**, best of all for pots and groups, selected seeds.

**Grandiflora Ameliorata King of the Scarlets**, unexcelled for late groups, with extra large deep scarlet spikes, selected seeds.

Each of the above per Tr. Pkt., 50c.; 6 Tr. Pkt., \$2.50. Larger quantities on special quotation.

**O. V. ZANGEN,**

**Seedsman**

**HOBOKEN, N. J.**

## CATALOGUES RECEIVED.

Scott Brothers, Elmsford, N. Y.—List of Chrysanthemums, Novelties for 1909 and other up-to-date sorts.

Leonard Coates Nursery Co., Morganhill, Santa Clara Co., Cal.—Descriptive Price List on Special Novelties in Nursery Stock.

Stumpp & Walter Co., New York.—1908 Catalogue of Bulbs for Fall Planting. Narcissus poeticus are used with excellent effect on the cover.

George Jackman & Son, Woking, Surrey, England.—Wholesale Catalogue of Plants for Autumn, 1908, and Spring, 1909. The lists of roses and hardy conifers are very full.

Pennick & Co., Delgany Nurseries, County Wicklow, Ireland.—Catalogue of Hardy Flowering Shrubs, Forest and Fruit Trees and Herbaceous Plants. Illustrated and very comprehensive.

## NARCISSUS

(PAPER WHITE GRANDIFLORA)

First Class Bulbs, \$1 per 100; \$8.00 per 1000

**THE DINGEE & CONARD CO.**  
WEST GROVE, - - - PA.

**Gladioli** fine named sorts; colors, seedlings and mixtures.

**Iris Pallida Dalmatica**, German and Japan Iris, Madeira Vines, Cinnamon Vines, Hyacinthus candicans, Spotted Callas.

Send for Price List.

**E. S. MILLER,**  
Wading River. Long Island, N. Y.

## AMERICA

The finest pink Gladiolus. Strong, extra size bulbs for forcing

\$5.00 per 100

**THOMAS J. OBERLIN**  
SINKING SPRING, - - - PA.

**THE PRIZE WINNING STRAWBERRY**  
**The Barrymore**

Send for Folder at Once.

**H. L. CRANE, Originator,**  
Westwood, Mass.

**BARGAINS in TREES and PLANTS**

Concord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

# GERANIUMS

Our stock is the largest and most complete in the country. We have an immense lot ready for shipment from 2 in. pots. We do not send out rooted cuttings. We have good standard sorts at \$2.00 per 100, \$18.50 per 1000 and up to newer varieties at 50c each.

We will send 1000 good plants, 50 each of 20 good varieties, our selection, single and double, for \$18.50 Cash. A splendid collection to stock up on.

**SCENTED GERANIUMS. Special Offer.** 100 in 20 varieties for \$2.00.

**IVY GERANIUMS. Caesar Franck, Mrs. Banks, Alliance,** \$2.00 per 100.

**LOBELIA KATHLEEN MALLARD.** The new double blue Lobelia, nice stock from 2 inch pots, 50c per doz., \$2.00 per 100.

**LEMON VERBENA, Aloysia Citriodora,** 40c per doz., \$2.00 per 100.

## HARDY CHRYSANTHEMUMS

We have been the acknowledged leaders in Hardy Chrysanthemums for the past 15 years, and are now preparing the best collection for next Spring that we have ever sent out. Send for List. Let us book your order early, \$2.00 per 100. Special Prices on Large Lots.

**R. VINCENT JR. & SONS CO.,** White Marsh, Md.

# Chrysanthemum Stock Plants

	Per doz.		Per doz.		Per doz.
Lynnwood Hall....	\$3.00	October Frost..	\$0.75	Monrovia.....	\$0.60
Mile. Marg. Desjouis	5.00	Mary Mann ....	1.00	White T. Eaton	.75
Virginia Poehlmann	1.25	Early Snow....	1.00		

A very complete line of Mums both new and old, in young plants, early in the year

**THE E. C. HILL CO.,** RICHMOND INDIANA

## ASTER SEEDS—CROP OF 1908

**A New Branching Aster, Smith's Peerless**

This new variety originated with us three years ago. In offering this new Astor to the trade we have fully considered those now in commerce, having grown the branching varieties known as Semple's, Vick's, Henderson's Invincible and Carlson's.

Smith's Peerless surpasses them all in high grade blooms. Color pure white and so double that it is a very shy seeder. We have only limited quantity which will be sold in sealed packets only as follows: Retail pkts. (about 40 seeds) 25c. Trade pkts. (about 250 seeds) \$1.00. In the standard sorts we have the best in Early, Midseason and Late varieties. All our own grown and guarantee them unsurpassed in quality, purity and vitality. If interested write us.

Seed Jobbers requiring larger quantities will be quoted on application

**ELMER D. SMITH & CO.,** Successors to Nathan Smith & Son, Adrian, Mich.

Now is the time to compare notes on catalogs and to plan for 1909.

¶ The ideal catalog can only be produced on the lightest and most opaque paper consistent with good printing results.

¶ That is just what B. P. F. Catalog Paper is made for. We have a handsomely printed sample to prove our claim that the use of B. P. F. paper on your catalog will increase sales and decrease cost of postage and paper.

MAILED FREE ON REQUEST.

**GEO. W. WHEELWRIGHT PAPER CO.**

95 Milk Street, Boston, Mass.

## Seed Trade

**Cincinnati, O.**—J. Charles McCullough has moved his office and cleaning department to 5th and Lock streets.

**Santa Clara, Cal.**—C. R. and L. M. Kimberlin succeed to the business of J. M. Kimberlin, retaining the title of the Kimberlin Seed Co.

**New York, N. Y.**—W. E. Marshall & Co., have annexed the adjoining store and are now well prepared to meet the demands of their increasing business.

**Springfield, Mo.**—The Planters' Seed Co. has again increased the floor space and now occupies the entire building at 220 and 222 W. Walnut street.

**John Chas. Badger of John Badger & Sons, Gordena, Cal.,** started Dec. 1st for a two months' business trip throughout the Eastern States and Canada.

**Mr. Eugene Schaettel, representing Messrs. Vilmorin, Andrieux & Co., of Paris, France,** who has been in this country several weeks, will sail for home on December 12th, on steamer Kaiserin Augusta Victoria.

The sweet pea farm of John Badger & Sons, Gordena, California, is in full operation, sweet pea sowing having begun. In addition to their own 330 acres they have rented another 220 acres which is devoted entirely to the growing of lettuce and sweet peas.

The Aggeler & Musse Seed Co. Los Angeles, Ca., have taken in the adjoining store which is 40 ft. by 125 with a warehouse in the rear. They have added a new department of tree and palm seeds, nursery stock and flowering plants. Their nursery yard is at 1635 Millard avenue under the management of P. B. Eastrada.

Vice-Consul C. L. L. Williams of Chefoo reports, concerning American horticultural interests in China, as follows:

All kinds of flower and garden seeds should be on sale here. The seeds now of-

fered are not up to the standard, the variety is very limited, and the price asked is prohibitive, so far as the Chinese gardeners are concerned. No effort is being made to sell foreign seeds of any kind to the Chinese, who must ultimately become very large buyers. A nursery agency should be established in two or three Chinese ports from which salesmen could be sent out and goods delivered to any point.

Special Agent Roland R. Dennis reports that an official of a European Government purposes establishing an experimental station supplied with all modern machinery with a view to developing the agricultural resources of the country. To insure success he desires to secure the services of a thoroughly practical agriculturist from the United States to take entire charge of the station. The salary will be \$4,000 a year, with a contract for a term of years and free rent, together with all additional labor needed. Special knowledge of the raising and utilization of corn is desired.

## PLANT IMPORTS.

Entered at New York, Nov. 18th to 24th, 1908:

From Antwerp: H. F. Darrow, 4 tubs laurel trees; Maltus & Ware, 2 cs. bulbs; C. B. Richards & Co., 258 pgs. trees and plants; Ter Kuile, 2 cs. plants.

From Havre: H. F. Darrow, 4 pgs. plants, 159 pgs. seed; Fountain Grove Vineyard Co., 9 pgs. plants; Vaughan's Seed Store, 129 pgs. seed; Sundry Forwarders, 1133 pgs. seed.

From Southampton: C. G. Hempstead & Co., 23 cs. roses, 6 cs. plants; August Rolker & Sons, 7 cs. plants; J. M. Thorburn Co., 68 bgs. garden seed (from London); Vaughan's Seed Store, 4 cs. plants.

From Germany: Maltus & Ware, 39 cs. lily of the valley pips; Chas. F. Meyer, 60 cs. do.; McHutchison & Co., 4 cs. do., 5 cs. plants; J. M. Thorburn & Co., 30 cs. lily of the valley pips, Vaughan's Seed Store, 12 cs. do., R. M. Ward & Co., 125 cs. do.; Sundry Forwarders, 50 cs. do., 7 cs. plants.

Week Nov. 25 to Dec. 1, 1908:

From Antwerp: J. Dunn, Jr., 5 cs. plants; Maltus & Ware, 2 cs. bulbs; J. P. Steiner, 4 cs. Christmas trees.

From Germany: H. F. Darrow, 3 cs. plants; Wm. Elliott & Sons, 40 cs. lily of the valley pips; Maltus & Ware, 330 cs. do.; Chas. F. Meyer, 657 cs. do.; F. R. Pierson & Co., 22 cs. do.;

A. Schultheis, 52 cs. do.; S. Stern, 210 cs. do.; Yokohama Nursery Co., 45 cs. do.; August Rolker & Sons, 69 cs. plants; Sundry Forwarders, 294 cs. lily of the valley pips; To Order, 69 cs. do.

Via Southampton: Maltus & Ware, 13 cs. plants, 2 cs. roses; August Rolker & Sons, 16 cs. plants; Hussa & Co., 1 cs. plants; Jas. Grille, 3 cs. bulbs.

From Copenhagen: E. J. Grohs, 1 pg. plants.

From Rotterdam: C. C. Abel & Co., 31 cs. bulbs; H. F. Darrow, 40 cs. flower roots, 4 cs. plants and bulbs, 54 bags seed; Wm. Elliott & Sons, 21 cs. trees, 25 cs. plants; O. G. Hempstead & Son, 25 cs. plants; Peter Henderson & Co., 16 cs. plants, 2 cs. bulbs; W. A. Manda, 4 cs. bulbs and plants, 22 cs. shrubs and trees; McHutchison & Co., 207 cs. plants, 4 cs. bulbs; Maltus & Ware, 19 cs. bulbs, 65 cs. plants, 117 cs. trees, 1 cs. roots; P. Ouwkerk, 72 cs. trees; C. B. Richards & Co., 37 cs. trees and shrubs, 145 cs. evergreen shrubs; Julius Roehrs & Co., 12 cs. trees, 26 cs. shrubs and trees; Stumpp & Walter Co., 1 cs. flower roots; J. M. Thorburn & Co., 30 bgs. grass seed; Vaughan's Seed Store, 42 cs. trees and shrubs, 15 bls. garden seed, 15 cs. plants; Yokohama Nursery Co., 3 cs. trees and shrubs; Chas. Zeller & Sons, 2 cs. do.; Sundry Forwarders, 11 pgs. plants, 31 cs. trees, 4 cs. roots, 71 cs. trees and shrubs, 10 cs. bulbs, 98 bags seed; To Order, 1555 bags sunflower seed.

# TOBACCO

STEMS—STRONG KIND

100 lb. bale \$1.25

## W. ELLIOTT & SONS

42 VESEY STREET, NEW YORK.

## SHEEP MANURE

Pulverized. Free from all Adulteration  
In Bag, \$18.00 per Ton. Cash with Order  
**ROBERT SIMPSON**  
CLIFTON, N. J.

## CATALOGUES RECEIVED.

Bobbink & Atkins, Rutherford, N. J.—Folder of Popular Old-Fashioned Flowers.

Charles Knopf Floral Company, Richmond, Ind.—List of New and Standard Carnations for 1908-09. Illustrated.

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.—Catalogue of Rhododendrons, Conifers, Azaleas and Hardy Garden Shrubbery.

Alma Nurseries.—H. W. Van Dor Bom & Co., Oudenbosch, Holland.—Wholesale Catalogue of Trees, Shrubs, Forcing Plants, Evergreens, Roses, Peonies, etc.

Pittsburg Cut Flower Co., Ltd.—Catalogue and price list of Christmas Specialties. Attractively printed in red and green and enumerating goods that every florist must have.

# Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**  
6 & 7 South Market Street  
BOSTON, MASS.

## Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

### Cauliflower's Cabbage

LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

WE STILL HAVE A HAND A FEW CASES OF  
**Lilium Longiflorum**

JAPAN CROWN  
7-9 size 70 per cent. Single Crown.  
Prices on Application.

**THOMAS J. GREY CO.**  
32 So. Market St., BOSTON, MASS.

**QUALITY SEED BULBS PLANTS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
342 West 14th St., New York.

## Headquarters for Xmas Greens

Our stock is the choicest to be had.

Holly  
Holly Wreaths  
Laurel  
Lycopodium  
Mistletoe

Write for our special circular on Xmas Greens



**HENRY F. MICHELL CO., 1018 Market St, Phila, Pa.**

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## LEONARD SEED CO.

Growers and Wholesalers of Superior Garden Seeds  
**FLOWER SEEDS—ONION SETS . . . GET OUR PRICES**  
79 East Kinzie Street  
143 West Randolph Street **CHICAGO**

*Thorburn's  
Bulbs*

**LILY OF THE VALLEY PIPS**

Just received our unexcelled pips.

We also offer at reduced prices  
Paper White Grandiflorus Narcissus  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Multiflorum, 7/9  
Double Hyacinths in separate colors.  
ASK FOR PRICES.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**SURPLUS CROP 1908**  
**Sweet Pea and Onion Seed**

Stocks choice and prices reasonable  
Our Contract List for 1909 Crop is now Ready.

Correspondence Solicited

**A. J. PIETERS SEED CO.,**  
Hollister, Cal.

**BRIDGEMAN'S SEED WAREHOUSE**  
**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**STOCK SEED**  
FOR WINTER BLOOMING

Our strain of Double Branching Stocks is exceptionally true. About 9 1/2 Double Flowers.

In colors: 1-1/2 oz. .60 oz. . . . . \$4.00  
Pure White 3/4 " .75 " . . . . . 5.00

**H. E. FISKE SEED CO.**  
Faneuil Hall Square, BOSTON, MASS.

**Winter-flowering**  
**SWEET PEA SEED**

All Colors Ask for List  
**A. C. ZVOLANER**

ORIGINATOR. BROND BROOK, N. J.

**READY** For Prompt  
Shipment...  
**FRENCH and DUTCH BULBS**

Catalogues mailed free on application  
**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

**OUR SEEDS BULBS AND PLANTS**  
are noted all over the world. Catalogues Free.  
**KERSHAW, Grower, Keighley, England**  
EXPORT TRADE A SPECIALTY. ESTABLISHED 1880.

# MY MATCHLESS SPECIALTY



This Advertisement is  
Christmas Trade. The  
other side, for there w  
for every orchid at m  
assistance of printers

## WHAT I AM

is to promote the adva  
more enterprising Flo  
supplying them regula  
material that can ever

## I WAS THE FIRST TO ORIGINATE THE DAF

of a Whoesale Establishment devoted exclusively to **Orchids** and other  
scores of influential florists located in every section who can trace th

I have a steady and increasing supply of the  
rarest flowers produced on this continent.  
Cattleyas, Lælias, Cypripediums, Dendro-  
biums, Phalaenopses, Oncidiumus, Vandas,  
Gardenias, Lily of the Valley, Daisies, etc.

# McMANUS

## TRY A SPECIAL BOX TW



not an Appeal for your demand will be on the be, as heretofore, a call command without the nk.

## PUSHING FOR

ement of one thousand ts to the front rank by y with the only kind of lace them there.

# YOUR GOLDEN OPPORTUNITY



## AND TO CARRY INTO EFFECT ING IDEA

superlatively choice flower specialties. As a result there are today foundation of their pre-eminence to investments in a few boxes of

## ' ORCHIDS

CE A WEEK OR OFTENER

**JAMES McMANUS**

Wholesale Dealer in Fancy Business-Bringing Flowers  
42 W. 28th St., Tel. 759 Madison Sq. NEW YORK





# Schultheis' Christmas Plants

## HAVE A WELL MERITED REPUTATION

Don't Make the Mistake of Waiting Until the Last Possible Moment. Plants will be in Greater Demand Than Ever Before. **Order Now.**

## ***Here Are Some Christmas Specialties***

	Each	Doz.	100		Each	Doz.	100
<b>Ardisias</b> 5-in. pots .....	\$1.00	\$12.00	\$100.00	<b>Epacris Alba</b> 2½-in. pots .....	.15	1.75	12.00
5½ " .....	1.50	18.00	150.00	5 " " " " .....	.50	6.00	40.00
<b>Azaleas</b> 12 to 15-in. diam. . .	.50	6.00	45.00	<b>Jerusalem Cherries</b> 6 in. pots .....	.50	6.00	50.00
15 " 18 " " " .....	1.00	12.00	90.00	6½ " " " " .....	.75	9.00	70.00
18 " 20 " " " 1.50 to 3.00				<b>Poinsettias</b> 3 in 6 in. pan. ....	.85	9.00	
<b>Lorraine</b> 4-in. pots .....	.25	3.00		4 in 7 " " " " .....	1.00	12.00	
<b>Begonias</b> 6 " " " " .....	.75	9.00		5 in 8 " " " " .....	1.25	15.00	
7 " " " " .....	1.00	12.00		6 in 9 " " " " .....	1.50	18.00	
8 " " " " .....	1.50	18.00		<b>Dracæna</b> 4 in. pots .....	.20	2.25	
<b>Camellias</b> 6-in. pots .....	1.50	18.00		<b>Terminalis</b> 5½ " " " " .....	.50	6.00	
Schaudleri and Alba Plena 6½ " " .....	2.00	24.00		6 " " " " .....	.75	9.00	
<b>Cyclamens</b> 5½-in. pots .....	.75	9.00		Larger Plants \$1.00 to \$1.50 each.			
6 " " " " .....	1.00	12.00		<b>Table Ferns</b> assorted \$4.00 per 100.			
<b>Erica Fragens</b> 6 in. pots .....	.75	9.00		<b>Oranges</b> from 4 to 20 ripe fruits each, at 25 cents a fruit.			
(Melanthera) 8 " " " " .....	.3.00	36.00		<b>Apple Blossom Roses</b> all sizes, from \$3.00 to \$18.00 a dozen.			
9 " " " " .....	.4.00	48.00					
<b>E. Regerminans</b> 2½-in. pots .....	.15	1.75	10.00				
4½ " " " " .....	.50	6.00					

***Dracaenas* Pere Charon, Braziliensis, Regina, Fragens, Lindeni, Mas-sangeana, etc. Pandanus Veitchii, Kentias, Arecas, Bay Trees, Box-woods, etc. Boston, Whitmani, Pierisoni, Scotti and Amerpohli Ferns** and a long list of other **Decorative Plants** are in stock for immediate delivery. Send for complete price list.

I cordially invite you all to visit my greenhouses and nurseries. My plants are naturally grown and not forced.

**ANTON SCHULTHEIS.** College Point,  
NEW YORK.

# HINODE FLORIST CO., Inc.

**WHITESTONE, L. I., N. Y.** Telephone Connection

## Blooming Plants



# uitable for the Holidays



**SPECIALISTS IN  
Japanese Plants and Gardens**

** BOOK YOUR ORDERS NOW**

## FERNS FOR DISHES

### Assorted Varieties

From 2 inch pots \$3.50 per 100; \$30.00 per 1000

**PRIMULA OBCONICA**

Strong Plants from 2½ inch pots \$3.00 per 100

CASH WITH ORDER.

**FRANK OECHSLIN.**

2570 to 2606 W. Adams St., Chicago, Ill.

## DECORATIVE PLANTS

**Araucaria Fxclsa, Pandanus Utilis, Dracaena Indivisa, Kentias, Latanias, Arecas, Etc. Perennials and Shrubs.**

4 inch Araucarias,.....	50 cents each.	6 inch Araucarias,.....	\$1.00 each.
5 " " " " " " " " " "	75 " "	7 " " " " " " " " " "	\$1.25 and \$1.50 "

**FERNS FOR DISHES**—\$3.50 per 100, \$30.00 per 1000.  
SEND FOR OUR PRICE LIST. WE HAVE A COMPLETE STOCK.

**The Geo. Wittbold Co.**

**1657 Buckingham Place,**

**Chicago, Ill.**

## SALT ON THE TAIL OF AN IDEA.

Read before the Florists' Club of Philadelphia, January 1, 1908, by Henry Fox.

Gentlemen of the Florists' Club. With your kind permission I am going to tell you tonight how I put "Salt on the tail of an idea." We all know success is the result of hard work, no luck in it, simply getting right down to it and hammering away at it; not only hard work but energy directed in the proper channels, focused in one direction, concentrated until it crystallizes into *Success*.

### Ideas Are Crystallized Thoughts.

So it is with *Ideas*. First you see or hear, then you *Think*, then you *Remember*, then you *Imagine*. If you drop either of the four after you have seen or heard, you will *Never* have an idea. *Ideas* are crystallized thoughts, and you will not have ideas unless you see or hear. Lots of people see things but do not see. To get ideas we must first cultivate our power of observation; for instance—I want to get a new wagon, I do not know what I want; but I do know I want something smart and different from anything about town. I start the observation car going, and every fine wagon that goes by me I notice. I see wagons everywhere, partly unconsciously. Then I start the tinkery going, and I think about what I have seen, then I remember through thinking about them, then after thinking and remembering what I have seen I start the imagination factory going. Oh! I will get all kinds of crazy notions in my head, but gradually I will have to sift them out one by one, and finally settle on one shape or style, but the *Idea* is not yet clear. Now I have to work harder, I have to get a little salt. I drop a little on the tail of that last thought or idea and it becomes a little clearer. Now I throw out a few more fantastic ideas, and in a few more days I have to add a little more salt, and gradually I come to something entirely different and yet practical. You can get this result on any subject if you simply hang to it, and keep on adding salt.

### Creating Ideas.

Now to create *Ideas* in any specific line it is necessary to surround yourself with the proper environment—the right sort of atmosphere. You will not get sporting ideas in a church, neither will you get moral or religious ideas in a saloon. If your hobby is baseball, and you are a very enthusiastic score-card man you will not see anything else in the newspapers or on the street but score cards. If automobiles are in your mind you will see every new automobile on the road, know all about transmission and gear and the resiliency of the tires. So I am trying to show you how very necessary it is to have the proper environment and atmosphere about you to make a success in any given line. You can draw from it continually, you have something before you to see, to think about, and to exercise your imagination upon when you rest at night.

Ah! gentlemen, this is, I think, the great secret of *Ideas*. Your outer office, the eyes and receptive brain, are busy all day seeing things and taking them in, storing them up until you rest. Then your inside office, the subjective brain takes it up, works it out, moulds your thought, your imagination, your

enthusiasm into the crystallized product, *Ideas*.

### Enthusiasm Essential.

Right here is another important factor I almost forgot to mention, *Enthusiasm*. It is high impossible to take the initiative, to originate anything, to get an idea without enthusiasm. You must believe in yourself, in your goods, and in the appreciation of the general public. I do not care who you are, you are bound to get credit for any really good work or thought you create. Right here I want to tell you about my Surprise Box. The idea was the result of observing and taking up a remark; a gentleman, a good spender, came into my store, nothing was too good for him, but he was always looking for something better. One evening, after buying a corsage bunch of violets and orchids worth \$20.00, and while I was arranging it in what I thought a very good looking violet box, he leaned over the counter and said, "Why don't some of the florists get up something new in the way of a fine box that would present the flowers to the best advantage as soon as it was opened?" My ears caught it, I thought about it that evening going home in the car, I don't believe I would have seen a five dollar note on the floor of the car that night, I saw nothing but boxes, boxes, all kinds of boxes. It took fully one year thinking, remembering, imagining to produce the Surprise Box.

While I was experimenting with this, the box-maker first of all said I was crazy, "another one of these fan-dangled ideas of yours." But I said, "Never mind, you make it this way." "But it will never work," he replied. "Make it," I said, "I will pay for it." I had confidence in my goods, in myself, in the man who wanted something to present the flowers to their best advantage. I first used paper; it would not work as the dampness of the flowers made it soft and limber; then I used regular doilies, they were too stiff, so I bought lace and had them made our own style and it worked perfectly. I sent the first ones to a few prominent people and they have been friends and customers ever since. I had confidence in the public, I was enthusiastic about it and told them so and they became enthusiastic too and bought them.

### About Flower Boxes.

Speaking of boxes:—I have just brought a few with me to demonstrate the evolution of the florists' boxes. When I first began my experience in the business, every now and again my boss would say, "Charlie, run up to the shoe store and see if they have any boxes for us. If they haven't go across the street to McCreary's and get some collar and shirt boxes." I can well remember what acrobats those carnations and roses were; they had to bend the crab, and do every other stunt, squeezed in tight as in a coffin. Then after I got a lot of boxes I had a steady job pasting on our labels over the shoe merchant's. After this we had boxes made with nice green paper and gold trimming. Once in a while we would change to yellow with white labels. Then the ever-handy cheap folding boxes came into use. When the board got wet the string would cut through and hold the flowers to the lid. At

last we had boxes made in different sizes to suit our goods, all but American Beauties. You can to-day see fine Beauties coming out of fine shops with the end cut out of the box and the stems sticking out as long as the box itself. What right has a florist to send roses out in this style? Would a dry goods merchant do it? Can you think of any other line that would? It is the first impression that counts every time and especially in our business you can't command a price if you yourself do not value the goods worth a decent box.

*Ideas* are always created through a desire for something: *Think, Remember, Imagine*. First you think about what is wanted. You see things suggestive. You remember them, you build on them, you imagine; put on a little more salt and you create.

### A Need Must Precede an Idea.

We had a lot of one-sided begonias, then the thought came, "what can I do to enhance the value of these plants to sell them at a good profit?" Mats were old, heavy and unsuited to the plant. They needed some kind of a crazy basket to hide the defects. I walked through the supply houses but couldn't find anything to suit. Must make it myself. I am not a basket maker, but here she goes; got a basket maker to make a skeleton and we did the rest; here is your plant worth four times the price in the basket and something new in the bargain. But it took enthusiasm, thought, confidence in the goods, in ourselves, in the public to create it. In creating ideas you will get lots that are not practical and that may be ridiculous or fantastic. But they are divided into two distinct classes easily defined and I have always found this is a good rule to observe:—An idea is only a genuine idea when it conveys your thought and your thought should come from some useful want or desire; there must be an excuse for doing it or twisting a shape in a certain way. It must express that thought to your customer without any explanation from you, then you have a genuine idea worth having.

### The Misuse of Ribbon.

I believe the use of ribbons with flowers has a great field and enhances the beauty and value of them. Remember that last suggestion, "value." A bunch or basket with an appropriate bow artistically placed makes it worth as much again, if you are not simply selling merchandise. But, put the ribbon where it belongs, where the eye suggests the need of something being tied. To put a red necktie on an araucaria is as bad taste as chiffroning an azalea with a lot of fussy stuff puffing out here and there. It does not do the azalea any good and wastes the ribbon. You can use some receptacle with the plant that offers an excuse to tie on a bow of ribbon and you at once have the satisfying effect on the eye. Lots of people will notice these defects but not really know what it is that does not appeal to them. They may buy them, but it will not have that satisfying effect on them as something that conveys and carries out the thought would have.

### Plant Decorations.

Take up the matter of plant decora-

# Buy Your Flowers and Supplies

From New England's Largest, Most Central  
and Most Influential Wholesale Emporium

## OUR FLOWERS

Are supplied by the best specialty growers. **American Beauties** in all grades. Daily consignments of choicest **Orchids** and **Gardenias**—**Richmond**, **Killarney**, **Maryland** and **Bridesmaid Roses** in any quantity—**Carnations**, all standard varieties. **Poinsettias**, **Lilacs**, **Violets**, **Lily of the Valley**, **Sweet Peas**, etc.

SEND FOR CURRENT PRICE LIST AND CHRISTMAS RATE SHEET

WE CAN SUPPLY YOU WITH  
FLOWERING  
PLANTS  
FOR THE  
CHRISTMAS  
HOLIDAYS.

WRITE FOR  
PRICE LIST

ORDERS TAKEN  
FOR GRAFTED  
STOCK OF THE  
NEW ROSE  
MY MARYLAND  
\$ 20 PER 100  
\$150 " 1000



WE CARRY AN  
IMMENSE  
STOCK OF ALL  
FLORISTS'  
SUPPLIES  
WIRE DESIGNS  
FOLDING  
BOXES  
RIBBON  
BASKETS  
SHEAVES  
FOIL  
IMMORTELLES  
ALL COLORS  
ETC., ETC.

STATE YOUR  
NEEDS  
WE HAVE THE  
GOODS

## HOLLY AND CHRISTMAS GREENS

WE QUOTE THE FOLLOWING PRICES:

Choice North Carolina Holly, full-size cases, packed  
with care, well berried.....\$5.00 per case  
Virginia and Delaware Holly..... 4.50 "  
Laurel Wreaths, per doz.....\$2.00, \$2.50, \$3.00  
Holly Wreaths (2 sizes), per doz..... 1.50, 2.00  
Pine Wreaths, per doz..... 2.00, 3.00  
Fir Balsam Wreaths, per doz..... 1.50, 2.50  
Southern Smilax .....\$4.00 and \$6.00 per case  
Boxwood, 60-lb. case..... 9.00 "  
Laurel Festooning, heavy, per hund. yds..\$6.00 and \$7.00  
Pine Festooning, " " " " .. 6.00 and 8.00

Southern Needle Pines, 3 to 4 feet long.....  
\$3.00 and \$4.00 per doz.  
Southern Needle Pines, 2 to 3 feet long.....  
\$2.00 and \$3.00 per doz.  
Mistletoe (native) .....\$5.00 per case; 40c. per lb.  
Galax Leaves (Bronze and Green), per case of 10,000,  
\$7.50; per M. \$1.00  
Ivy Leaves, per thousand.....\$4.00  
Hardy Ferns, per thousand..... 1.50  
Pine Green, per hundred lbs..... 7.00  
Christmas Trees .....50c. to \$1.50 each  
Moss, per bag.....50c.

Prices are subject to change. Special quotations given on large orders.

Holly will be ready for shipment after Dec. 15th; other goods can be had any time after Dec. 10th.

**Welch Bros.,** 226 Devonshire St., Boston

Phones 6267, 6268, 5419, Main

tions: I remember how it impressed me when a boy starting in the business. The word decoration carried with it the thought of one half day's hustle and bustle, the tearing out of the well-arranged greenhouse, breaking of pots, freezing of plants, and then the next day everything repeated bringing them home. And all this for about as much as a tailor would charge for a good suit of clothes. The reason for this is, we sell our brains by the load, so much a load, plants, brains and work thrown in and get them all back again the next day. This idea of getting them back again is so impressed on the public that you will not get a good price for your flowers and work because you sell them by the load and get them all back. Sell them something they will keep; you do not want them back, and your customer will be satisfied to pay your price. It is the mental law of sale, something they will get for their money, belongs to them and which they have the desire to possess. Do not take it away the next day by the load. Take up cut flowers, use them everywhere, they can be used to good advantage in vases, clusters and garlands. Now I do not wish to be misconstrued; we do not want to eliminate plants altogether; we always want to use plants but let them be specimens, plants that you can set anywhere on their own merits.

Has it ever occurred to you how incongruous and bad taste it is to fill a house with a lot of stuff you would not otherwise dare show a customer individually? Using pot covers and pedestals that are anything but ornamental to a finely appointed house, removing all the subjects of art and bric-a-brac and building in place banks of plants. Fill vases with cut flowers, arrange them on the mantel and you will get a better price and will not have to take them back the next day.

#### Ideas Again.

You cannot get ideas or produce new

#### CARNATION MARCHIONESS.



Our illustration is taken from a photograph of a house of Marchioness, which originated with the late Louis E. Marquisee four years ago, and of which he thought very highly from the first for its full perfect flowers, high clove fragrance and splendid keeping qualities.

It comes in early and the flowers mature very quickly and is a wonderfully free bloomer; as a proof of this,

things if your surroundings are out of harmony with your soul. You must first get in line with your inner self and nature, then you must radiate that feeling, that sincerity, that enthusiasm to those about you. Create the atmosphere of happiness, advance good cheer around your assistants, elevate their thought and standing.

it is stated that over 3,000 perfect flowers were picked from one house during the month of October, and that last season strict count was kept of one bench, and the plants averaged 30 to 36 blooms each.

It will be disseminated in January, as Mr. Marquisee intended. There is not a sign of rust or stem rot to be seen, and Mrs. Marquisee would like to have all who are interested call and see it growing.

make them respect themselves, their business and you. Pay them well so they can say with pride "I am a florist." Then charge well for your goods and brains. That is the only way to evolve ideas. You, your assistants, your store must be in harmony with the most beautiful things of nature—flowers.

#### CARNATION GEORGIA.

Carnation growers should now visit the establishment of James D. Cockcroft, at Northport, Long Island, the home of the sensational new white carnation Georgia which is to be disseminated this season. This up-to-date establishment is devoted entirely to carnation growing and during the years of its development much attention has been given to the crossing and hybridizing of the best of the standard varieties and novelties, so Georgia is by no means a chance product. It is the result of a cross between Prosperity and Morning Glory. The plants are of vigorous habit and are now covered with a profusion of blooms of large size and ideal form, and calyx. Georgia will no doubt meet with an appreciative welcome from carnation growers. Mr. Cockcroft has 40,000 cuttings in the sand, one-half being Georgia and the other half standard varieties.

Boston, Mass.—Henry M. Robinson & Co. have just received the largest shipment of southern smilax and holly they have ever handled. Cut boxwood and galax are also in heavy receipt and indicate confidence in a largely increased holiday trade.



CHRYSANTHEMUM HOUSE, AT J. A. BUDLONG'S, CHICAGO



# STOP RIGHT HERE

If you are looking for Christmas Stock that will bring you credit this will interest you. Take Poinsettias for instance. Does any intelligent florist think it will improve his standing with refined customers to substitute cloth imitations for the genuine article? **DON'T YOU DO IT.** I can ship you fresh Poinsettias, splendid quality, cut or in Pans at prices that mean a good profit for you.

**ALSO EVERYTHING IN CUT FLOWERS THAT  
THE NEW YORK AND JERSEY GROWERS PRO-  
DUCE FOR THE CHRISTMAS MARKET.**

**ALL GRADES OF FLOWERS TO SUIT ALL BUYERS**

## J. K. ALLEN

**The Old Reliable Commission and Shipping House**

TELEPHONE 167 MADISON SQ.  
OPEN DAILY 6 A. M.

**106 West 28 Street, NEW YORK**

### THE MONEY IN HOT BEDS.

Hot beds and cold frames are used for these two objects: 1st, to get ahead of the weather and, 2nd, to get ahead of competition.

By growing plants in winter weather ready to set out half-grown in the spring just as soon as the ground will do, one gains half the growing season—a gain of one to two months.

By gaining one to two months the grower has flowers or vegetables to sell when they are a luxury and are worth two to ten times as much in the market as they would be when everybody has them.

The sash advertised by the Sunlight Double Glass Sash Co., of Louisville, Ky., in this issue, are half an inch thicker than the ordinary sash and are made of Louisiana Red Cypress, the most lasting and suitable wood for the purpose. Their main improvement over the ordinary sash is in the use of two layers of glass instead of one. Between these layers of glass is a dry air space 5-8 of an inch thick—a perfect non-conductor of either heat or cold. It lets the sunlight in to warm up the bed and does not let the warmth out. It does away with the use of boards or mats and saves the labor and expense of covering and uncovering when cabbage, cauliflower, lettuce, violets or any half-hardy plants are being grown, and even for tomatoes, peppers and other tender plants, it is said to be rarely necessary to put any covering over the two layers of glass.

A minute account of this sash is given in the catalogue of the above named firm and we advise our readers to send for a copy.

### CARNATION EDWARD.

This new carnation being disseminated by W. H. Shumway, Berlin, Conn., is four years old. It has attracted the attention of all who have seen it growing, and has



Carnation Edward.

received high recognition wherever exhibited. Mr. Shumway says: "I am impressed with its wonderful habit of producing flowers without being what is termed a 'cropper.'" While I do not claim it never splits, I claim that the percentage of good blooms is above the average, many of them measuring four inches and over in diameter.

"It is easy to grow and comes into bloom early. The flowers are deep pink, fringed petals and very full centre."

### BUSY PEOPLE.

To realize what the above title means, stroll in, or rather, make the attempt to peer in through the piles of holiday greens and specialties to be found just now at New York's two big depots for this class of material—The Kervan Co. at 113 and George Consonas & Co. at 50 West 28th street. Palms, smilax, log mosses and pines from Florida and Alabama, laurel and ferns from Massachusetts and Vermont, hemlock and spruce from Maine, ground pine from Michigan, mistletoe from across the Atlantic, galax and leucothoe from North Carolina and holly from Delaware and Maryland are constantly coming and constantly going out in big loads in bulk or made up in festooning and wreathing to supply the big florist trade in all directions. It is estimated that no less than four hundred million galax leaves are picked every year, mainly in the mountains of North Carolina. Of this enormous quantity New York alone uses seventy-five million and fifteen million are sent to Europe, and the industry is still growing. The bronze galax for this year have been received so far only in small sizes from plants growing on dry, exposed hillsides. The cold, frosty weather, which gives this prized coloring, reaches to the moist, shady woods where the big leaves grow, a little later. The early fall demand must, therefore, be supplied mainly from the cold storage stock.

Steelmanville, N. J. Walter Shane has named a new pink seedling carnation Mrs. Mary S. Fleming

# TRAENDLY & SCHENCK Wholesale Florists

'Phones 798-799 Mad.

44 West 28th Street, New York

From their large assortment of all the BEST STOCK GROWN are enabled to fill any order with best possible satisfaction

**Our enormous supply of Cattleya Trianae will on crop for the Holidays and orders for any amount can be supplied at short notice**

All the novelties in high-grade roses, and the only house handling **My Maryland** and **Mrs. Jardine** in quantities.

All the leading varieties in high-grade carnations and plenty of them.

LILIES

VALLEY

VIOLETS

POINSETTIAS

## TRAENDLY & SCHENCK

44 West 28th Street

NEW YORK CITY

Phones 798-799 Mad.  
PRICE LIST ON APPLICATION

## OUR CHRISTMAS HOLLY

GUARANTEED HIGH QUALITY AS IN THE PAST

1 Case \$5.00    2 Cases, each \$4.50    5 or more cases, each \$4.00

Laurel Roping . . . . .	per yard \$ .05	Poinsettias, artificial, per doz. \$2.00, per gross, \$17.00
Laurel Wreaths . . . . .	per 100 18.00	Cut Boxwood. . . . . per lb. \$ .17, 100 lbs. 15.00
Holly Wreaths . . . . .	per 100 15.00	Christmas Bells, pr dz. \$.18 to \$2.09, grs. \$2 to 25.00
Ever Ready Pot Covers, all sizes and colors		Galax, . . . . . per 1000, \$1.00, 10,000 7.50

### MISTLETOE

Extra fine, splendidly berried. Stock limited. Order early.

Per lb. \$ .50.    5 lb. lots at \$ .40 per lb.    10 lb. lots at \$ .35 per lb.

### PLANTS

### FLOWERS

We have a fine assortment of Plants for Christmas from the largest and best Grower of Flowering Plants in New England. Plants will be crated to conform with the rules of the Express Companies to obtain the special express rates on Crated Plants. Poinsettias, Anubias, Jerusalem Cherries, Ardisias, Primroses, Lorraine Begonias, Dracenas, Heaths, Box Trees, Araucarias, etc., etc., etc., at Growers' Prices.

We carry a full supply of the best flowers grown for the Boston Market. American Beauty, Killarney, Richmond, Chatenay, Bridesmaid Roses, Carnations, all colors, Lilies, Violets, Lily of the Valley, Cattleyas, Paper Whites, etc., etc., at prevailing market rates.

## N. F. McCARTHY & CO.

**Largest Florists Supply House in New England**

Tel. 5973-5974 Main

84 Hawley Street, Boston

*With A Merry Xmas To All*

# H. E. FROMENT

WHOLESALE FLORIST

57 West 28th Street, New York

TELEPHONE 2200-2201 MADISON SQUARE

Again announces he can furnish the trade a full line of

## Choice Cut Flowers

OFFERING SPECIALLY FINE STOCK OF

**AMERICAN BEAUTY, BRIDESMAID, BRIDE, RICHMOND, and  
KILLARNEY ROSES, VIOLETS, CARNATIONS, Etc.**

## *The Kind of Flowers You Want AT THE TIME YOU WANT THEM*

A full line of Christmas Stock from  
American Beauties down to Stevia

**RIGHT QUALITY, RIGHT PRICE, RIGHT PACKING**

**ORDER EARLY**

**FORD BROTHERS, 48 West 28th St., NEW YORK**  
Tel. 3870-3871 Madison Sq.

# FOR CHRISTMAS

*Carnations, all varieties, American Beauties, Richmonds, Brides and  
Bridemaids, Kaiserins and Carnots, Lily of the Valley, Violets, single  
and double, Easter and Calla Lilies, Narcissus and Roman Hyacinths,  
Sweet Peas, Stevia, Sprenger and Plumosus.*

We handle the flowers from the best growers, therefore by placing your orders with us you will get nothing but the best quality of goods. Reasonable prices, satisfaction guaranteed. All orders given our prompt and personal attention.

WRITE FOR PRICES

**HENRY M. ROBINSON & CO.**

Wholesale  
Commission  
Florists

15 Province St., 9 Chapman Pl., Boston Mass.  
Telephone 2617-2618 Main

# Success Easily Attained

A Good and Profitable Christmas Trade is Yours This Time if  
You Turn This Advertisement to Account and Stock Up With

## RAYNOR'S FLOWERS

This is the longest established Wholesale Flower House on 28th Street. The stock handled has been in high repute for many years, being the product of many of **the largest, most noted and successful growers** for the New York market.

Beauty, Richmond, Killarney, Bride and 'Maid Roses, Lilies, Carnations in Leading Varieties, Violets, Cattleyas, Lily of the Valley, Asparagus and Croweanum Fern are Specialties.

***Send for Holiday Quotations on any Flower Wanted.***

## JOHN I. RAYNOR

49 West 28th St., New York.

Telephone  
1998 Madison Sq

## JOHN YOUNG

Offers, as heretofore, the

## Finest CARNATIONS Grown

A Superb Stock of American Beauties in all Grades. Violets, Valley, Orchids, Poinsettias and all other seasonable flowers for the

### CHRISTMAS TRADE

51 West 28th Street,

NEW YORK

Send for Price Lists Now

## EDWARD C. HORAN

### Wholesale

55 West 28th St.,

NEW YORK

Recently appointed sole agent for the **Lake View Rose Gardens**, Jamestown, N. Y.,  
The largest Cut Flower establishment in America.

***No Trouble to Fill Orders Here***

# POEHLMANN BROS. COMPANY

**33-35-37 Randolph Street, CHICAGO**

When in doubt where to buy your Christmas Flowers **TURN TO POEHLMANN'S**  
We undoubtedly have the best the market affords. Prices according to quality. Cheaper grade at correspondingly low prices. Like all others we are not infallible but as a rule we have what you ask for.

Backed up by the growing stock in our own greenhouses we are in a strong position to do as we agree.

Weekly price lists of cut flowers will be mailed to those desiring same. Have your name added to our mailing list.

Rooted cuttings of Carnations, Chrysanthemums and Roses in season.

Watch for our Advertisements!

Sometimes we have specials which are good value

## POEHLMANN BROS. CO.

## MAKE SURE

of a Christmas Flower Supply which will do you credit and bring you

## A CLEAR PROFIT

You can have that kind by ordering from

### WALTER F. SHERIDAN

*Wholesale Commission Florist.*

39 West 28th St., NEW YORK

**We Please Others**



**No Order Too Large**

**No Order Too Small**

**We Can Please You**



## Send Us Your Orders

and you will be pleased with the **QUALITY** of our **STOCK**, our **PRICES** and the **CAREFUL ATTENTION** given your orders.

Anything and everything  
in the line of cut flowers  
in season

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS



## To Florists Everywhere

Orders for Cut Flowers and Floral Decorations to be delivered anywhere in the Greater New York, may be placed with us with the certainty that your customers will be satisfied.

Telegraph, telephone or mail such orders to us and be sure that they will be filled as promptly and as carefully as though you did it yourself.

One third discount will be allowed on all orders thus placed with us by Florists outside of the Greater New York.

## THE BLOSSOM

Bond and Livingston Sts.,  
BROOKLYN, N. Y.

C. C. TREPEL, Manager

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

232 Michigan Ave.  
CHICAGO

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO  
Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET

Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

## GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

## WILLIAM L. ROCK FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## Of Interest to Retail Florists

NEW RETAIL FLOWER STORES.

Whitman, Mass.—George D. Cooke.  
Urbana, Ill.—T. A. Ferguson, one  
house.

## STEAMER DEPARTURES

### American.

Philadelphia, N. Y.-S'mpton...Dec. 19  
St. Paul, N. Y.-S'mpton...Dec. 26

### Atlantic Transport.

Minneapolis, N. Y.-London...Dec. 19  
Minnetonka, N. Y.-London...Dec. 26

### Cunard.

Saxonia, Boston-Liverpool...Dec. 15  
Lusitania, N. Y.-Liverpool...Dec. 16  
Campania, N. Y.-Liverpool...Dec. 23

### French Line.

La Bretagne, N. Y.-Havre...Dec. 17  
La Provence, N. Y.-Havre...Dec. 24  
Hamburg-American.

Patricia, N. Y.-Hamburg...Dec. 19  
Leyland.

Winifredian, Boston-Liv'pool...Dec. 16  
Canadian, Boston-Liverpool...Dec. 23

### North German Lloyd.

K. Wm. der Grosse, N. Y.-B'n...Jan. 5  
White Star.

Oceanic, N. Y.-S'mpton...Dec. 16  
Celtic, N. Y.-Liverpool...Dec. 17  
Tentonic, N. Y.-S'mpton...Dec. 23  
Baltic, N. Y.-Liverpool...Dec. 24

Salem, N. J.—Frank L. Ingles, 138  
Broadway.

Oakland, Pa.—I. H. Anderson, im-  
provements.

Baltimore, Md.—J. D. Blackistone,  
Eutaw place.

Reading, Pa.—Mrs. J. A. Haage, 134  
N. 9th street.

St. Cloud, Minn.—Anderson Floral  
Co., additions.

Palmer, Mass.—L. A. & C. A. Royce,  
No. Main street.

Freeport, Ill.—John Bauscher, Jr.,  
104 Chicago street.

Boston, Mass.—Thomas Clark, 443  
Boylston street, Boston.

Salem, Mass.—J. J. Gorman, corner  
Essex and Summer streets.

Greensboro, N. C.—Lindsey Flower  
Store, Guilford Hotel building.

San Francisco, Cal.—Mann Co., Sut-  
ter street, between Polk and Larkin.

Parsons, Kan.—"The Store Beauti-  
ful," opened by the Wirt Floral Co.

Providence, R. I.—Johnston Bros.  
are now located in a commodious and  
desirable store at 38 Dorrance street.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to  
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St.

NEW YORK

Our Motto—The Golden Rule

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

F. H. HOUGHTON

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

THOS. F. CALVIN

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.

PARIS

LONDON

BERLIN

# Christmas Deliveries in Boston and Vicinity

We are prepared to deliver in good shape, flowers, plants, or made-up work as ordered. Florists at a distance may transfer their orders by mail, telegram or 'phone to us with a certainty of prompt and careful attention.

*Usual Commission*

**THOMAS F. GALVIN,**

**124 Tremont St., Boston**

## PERSONAL.

Miss Rogers has withdrawn from the Zenobia Floral Co., of Toledo, O.

John Byers, Chicago, has taken a position with the Alpha Floral Co., Kansas City, Mo.

A. F. Rice, of Rice Brothers, Minneapolis is confined to the hospital since last week with typhoid fever.

Charles Leopold, of San Francisco is now connected with the firm of Pelicano, Rossi & Co., florists.

Visitors in Boston: F. A. Danker, Albany, N. Y.; E. J. Harmon, Port-

land, Me.; Ed. Roehrs, Rutherford, N. J.

Samuel Beck of Boston, salesman for James Tulis, florist, was married on December 2, to Miss Rose Koral of Roxbury.

Jens Jensen, superintendent of the west side parks, Chicago, is to be promoted to the position of consulting engineer, it is stated.

Philip L. Carbone of Boston, was married on the afternoon of December 1, to Mlle. Y. Vonne Viaud, of Paris, France, who arrived on the Cymric.

Mrs. C. H. Maynard and Mrs. Wm Dilger started from Detroit Tuesday morning, Dec. 8, for Fort Wayne, Ind. to attend a meeting of the Ladies' Society of American Florists.

Among the visitors in New York last week were Mr. and Mrs. W. J. Palmer of Buffalo, who sailed on the Bermudian for a short period of recuperation in the balmy atmosphere of Bermuda.

J. K. Allen, the well-known wholesale florist of New York, has been re-appointed by the Mayor of Kearney, N. J., for a second term of five years as a member of the Carnegie Library Committee.

M. J. Crow has purchased an interest in the Leonard Coates Nursery Co., of Morganhill, Calif. In addition to a general nursery stock this firm is making a specialty of the eucalyptus, and will have 528,000 of this tree for the coming season.

Chicago visitors: Mr. and Mrs. J. J. Soper, Rockford, Ill.; J. L. Carney, Mishawaka, Ind.; J. A. Peterson, Cincinnati, Ohio; C. G. Dwight, Dwight Greenhouses, Janesville, Wis.; Jas. McHutchison, of McHutchison & Co., New York; Mrs. Sprickerman & Son of Sandwich Greenhouses, Sandwich, Ill.

Miss Lottie Belle Heckman, daughter of A. C. Heckman, the Covington, Ky., florist, was married to Mr. Jas. Burden, Wednesday, Dec. 2nd. The knot was tied by the Rev. Mr. Williams. After dinner the happy couple left for Cynthia, Ky., to visit the parents of the groom. The wedding was a private affair, but nevertheless there was a large gathering of relatives present, and the home was beautifully decorated with smilax and chrysanthemums.

## THE WASHINGTON SEASON.

Despite the warm, murky weather which has prevailed almost ever since Thanksgiving, prices have not dropped. Everywhere trade is brisk, and with the opening of Congress on the 9th inst., the retailer will have no time to loaf. Violets still continue phenomenally scarce, and green is at a premium, especially plumosus, but with most other things the supply is fully equal to the demand.

## ALBANY PERSONALS.

W. C. King, the Steuben St. florist, is confined to his home as the result of an accident.

F. A. Danker and W. C. Gloeckner are in New York buying goods for the holiday trade.

A large mercury light has been placed in the store of W. C. Gloeckner.

Visitors at Albany: Wm. B. Lake, Philadelphia; Mr. Zirkman, representing M. Rice & Co., Philadelphia.

## NOTICE

We desire to notify the trade that we are the owners of United States patent No. 489,218 for Floral Figure which claims:

**R**

"A florist's letter or figure stamped from a sheet of paste-board or other suitable material, having an adhesive coating applied thereto and an outer covering of granules of sawdust appropriately colored to represent the petals of the Helichrysum arenarium substantially as described."

Letters which are a direct infringement of this patent are being put on the market and we intend to hold all who make or sell the infringing letters to strict account.

The lawful patented goods are in every respect much superior to the infringement.

**BOSTON FLORIST LETTER CO.**  
66 Pearl St. N. F. McCarthy, Mgr. Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 58.

*Palmer's*

**Buffalo, N. Y.**

W. J. PALMER & SON, 30 Main St

The Original Telegraph Order Florist

WILL DELIVER

**Christmas AND New Years Flowers**

to order in Boston and Vicinity. Usual Discount.

**J. NEWMAN & SONS, Inc.**

EST. 1870 24 TREMONT ST., BOSTON

## TRANSFER

Your orders for flower or plant delivery in Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty.



**JACOB SCHULZ,** 644 Fourth Ave., LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984

## WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Ha Schools. TAILBY, Wellesley, Mass.  
Tel. Wellesley 44-1 and 2. Night 44-3.

# CARNATIONS

All standard varieties. Let us fill your next order for Carnations and compare them with what you have been getting. Write to us for prices on regular shipments.

## THE LEO NIESSEN CO.

1209 Arch Street, Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.

# ADVERTISE

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

# ADVERTISE

## Choice Galax BRONZE and GREEN

\$7.50 per Case.

## W. E. McKISSICK & BROS.

WHOLESALE FLORISTS

1819-1621 RANSTEAD ST. PHILADELPHIA

## CUT FLOWER BOXES

EDWARDS FOLDING BOX CO  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

## PETER REINBERG

WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

E. F. WINTERSON CO.

45-47-49 WABASH AVE., CHICAGO

## POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, FOXWOOD, HARDY FANCY FERNS, GALAX LEAVES. Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

## AMERICAN BEAUTY and all other ROSES

LILY OF THE VALLEY, CARNATIONS

WELCH BROS., 226 Devonshire St., Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO Dec. 8	TWIN CITIES Dec. 7	PHILA. Dec. 8	BOSTON Dec. 10
<b>ROSES</b>				
Am. Beauty, Fancy and Special...	35.00 to 40.00	30.00 to 42.00	25.00 to 35.00	25.00 to 35.00
"    Extra.....	30.00 to 35.00	25.00 to 30.00	15.00 to 20.00	15.00 to 20.00
"    No. 1.....	25.00 to 30.00	20.00 to 25.00	10.00 to 12.50	6.00 to 10.00
"    Lower grades.....	10.00 to 25.00	10.00 to 15.00	8.00 to 10.00	1.00 to 4.00
Bride, "Maid, Fancy & Special.....	6.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00
"    Lower grades.....	4.00 to 6.00	4.00 to 6.00	3.00 to 6.00	.50 to 3.00
Killarney, Fan, & Sp.....	8.00 to 10.00	8.00 to 12.00	10.00 to 15.00	6.00 to 12.00
"    Lower grades.....	4.00 to 8.00	4.00 to 8.00	4.00 to 6.00	1.00 to 3.00
Richmond, Fancy & Special.....	8.00 to 10.00	10.00 to 15.00	10.00 to 12.00	4.00 to 12.00
"    Lower grades.....	4.00 to 8.00	4.00 to 8.00	4.00 to 6.00	1.00 to 2.00
Chatenay.....	4.00 to 6.00	4.00 to 8.00	4.00 to 6.00	1.00 to 6.00
Golden Gate Ivory, etc.....	4.00 to 6.00	4.00 to 8.00	4.00 to 8.00	1.00 to 6.00
My Maryland.....	..... to .....	..... to .....	5.00 to 10.00	6.00 to 15.00
Queen Beatrice.....	..... to .....	..... to .....	3.00 to 8.00	2.00 to 6.00
Mrs. Mar. Field.....	4.00 to 12.00	..... to .....	..... to .....	..... to .....
<b>CARNATIONS</b>				
Fancy and Novelties.....	3.00 to 4.00	3.00 to 5.00	3.00 to 4.00	1.50 to 3.00
Ordinary.....	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 1.50
<b>MISCELLANEOUS</b>				
Chrysanthemums, Fancy.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	12.00 to 15.00
"    Ordinary.....	12.00 to 20.00	12.00 to 15.00	5.00 to 10.00	4.00 to 10.00
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00	50.00 to 75.00
Lilies.....	12.00 to 15.00	12.50 to 15.00	10.00 to 12.50	8.00 to 12.00
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Narcis., Paper White.....	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	1.00 to 2.00
Roman Hyacinth.....	..... to .....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Sweet Peas.....	.75 to 1.50	..... to .....	.75 to 1.00	.75 to 1.00
Gardenias.....	..... to .....	40.00 to 50.00	..... to 50.00	25.00 to 35.00
Violets.....	.75 to 1.50	1.00 to 2.00	1.00 to 1.50	.35 to .50
Adiantum.....	.75 to 1.00	1.00 to 2.00	1.00 to 1.50	.75 to 1.00
Smilax.....	..... to 10.00	12.00 to 15.00	12.50 to 15.00	10.00 to 12.50
Asparagus Plumosus, strings.....	50.00 to 60.00	40.00 to 50.00	35.00 to 50.00	25.00 to 50.00
"    " & Spreng. (100 bchs.)	25.00 to 35.00	15.00 to 20.00	35.00 to 50.00	15.00 to 25.00

## Smilax—Heavy Strings

Any Quantity Shipped Promptly  
20 CENTS A STRING

VERN L. SCHLURAFF, 1041 West 8th St., Erie, Pa.

### NEWS NOTES.

Oakland, Cal.—The flower store of H. M. Sanborn was entered by burglars on November 29 but nothing of value was taken.

Schenectady, N. Y.—The beautiful home of Fred A. Howe, florist, on Upper Union street, was completely demolished by fire on the evening of Nov. 30th.

Somersworth, N. H.—G. S. Ramsburg, florist, already has plans under-

way for the reconstruction of his burned buildings on a larger scale than before.

## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.  
For sale by dealers

## Flower Market Reports.

Things are pretty quiet here, the local trade being especially dormant. Shipping calls are considerably better than the city demand, so far as cut flowers are concerned, but on greens of various kinds activity is seen on all sides. We noticed a good supply of that valuable sweet-scented orchid, *Zygopetalum Mackayi*, at Welch Bros. This good keeping choice flower should have a better appreciation than seems to be accorded it. Carnations, particularly the white sorts, hang fire, and there are accumulations in all wholesale marts. Of roses there is a supply of moderate proportions in all the regular varieties, but the demand is light. Richmond, Killarney and Bridesmaid have the best call. Violets show a downward tendency and can be bought considerably lower than last week. Quality on all lines is up to standard. The plant growers report a satisfactory advance trade in flowering and ornamental foliaged stock.

An assortment of all kinds of weather the past week did not help the market to any extent, there being a good supply of everything and prices have been lower on many lines. Chrysanthemums are about gone, which has given the carnation and rose a much better chance. Killarney, Richmond and Bridesmaid roses have been received in fine quality; in fact everything is in good supply, with trade not active. The stock seems to remain with the wholesalers to carry along. Christmas greens and holly are in and a light demand has already arisen for this stock. The outlook is bright for a good hustling holiday business.

The second week in the Christmas month starts out decidedly dull. However, everything is in favor of an early improved condition. The weather is clear and cold, the stock is very fine and the supply is abundant, with a few exceptions. Violets of the single varieties as grown about Chicago are very late this year and will not be much in evidence till after the holidays. Rhinebeck violets are handled by several of the commission men. Chrysanthemums are nearing their close but some are still seen, noticeably the pompon variety. Roses are of good substance, color and stem. Carnations are plentiful with the strongest demand for red. The supply of green is good, *Asparagus plumosa* especially fine. The demand for orchids seems constantly growing. Mignonette, stevia and paper whites, are in, but sell a little slow. On the whole, what the Chicago market most needs is customers.

Business has been satisfactory, some stores experiencing very heavy days. Receptions and balls are putting some of the old-time ginger into the business. Prices are same as last year except on violets, which are somewhat higher, although the supply is better.

Thanksgiving business was as large if not larger than any previous year. The quantity of stock was much larger than ever before, but prices were lower. Judging

## WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Dec. 7		Dec. 7		Dec. 7		Dec. 5	
ROSES								
Am. Beauty, Fan. and Sp.....	35.00	to 40.00	25.00	to 35.00	35.00	to 40.00	20.00	to 25.00
"    Extra .....	25.00	to 30.00	12.50	to 20.00	20.00	to 25.00	12.50	to 15.00
"    No. 1.....	15.00	to 20.00	10.00	to 12.50	15.00	to 20.00	6.00	to 10.00
"    Lower grades.....	8.00	to 10.00	8.00	to 10.00	6.00	to 8.00	.....	to 3.00
Bride, 'Maid, F. & S.....	9.00	to 8.00	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00
"    Low. gr.....	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00	3.00	to 6.00
Killarney, Fan. & Sp.....	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	3.00	to 6.00	.....	to 6.00
Richmond, Fancy & Special.....	8.00	to 10.00	6.00	to 8.00	10.00	to 15.00	8.00	to 12.00
"    Lower grades.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	.....	to 6.00
Chatenay.....	6.00	to 8.00	3.00	to 8.00	8.00	to 10.00	4.00	to 8.00
Golden Gate, Ivory, etc.....	4.00	to 6.00	3.00	to 8.00	5.00	to 8.00	4.00	to 6.00
My Maryland.....	.....	.....	.....	.....	.....	.....	.....	.....
Queen Beatrice.....	.....	.....	.....	.....	.....	.....	.....	.....
Mrs. Mar. Field.....	.....	.....	.....	.....	.....	.....	.....	.....
CARNATIONS								
Fancy and Novelties.....	3.00	to 4.00	2.50	to 3.00	2.50	to 3.00	2.00	to 3.00
Ordinary.....	1.50	to 2.00	1.50	to 2.00	2.00	to 2.50	1.00	to 2.00
MISCELLANEOUS								
Chrysanthemums, Fancy.....	20.00	to 25.00	25.00	to 35.00	15.00	to 25.00	20.00	to 25.00
"    Ordinary.....	6.00	to 8.00	12.50	to 20.00	6.00	to 10.00	8.00	to 12.00
Camellias.....	50.00	to 60.00	.....	to 35.00	60.00	to 75.00	.....	to 75.00
Lilies.....	10.00	to 12.00	15.00	to 18.00	10.00	to 15.00	.....	to 12.50
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	.....	to 4.00
Narcis, Paper White.....	.....	to 3.00	4.00	to 5.00	2.00	to 3.00	.....	to 3.00
Roman Hyacinth.....	.....	to 3.00	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Sweet Peas.....	.50	to 1.00	.50	to 1.00	.60	to 1.00	.75	to 1.25
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	to 50.00
Violets.....	.50	to 1.00	.50	to .75	1.00	to 1.25	1.00	to 1.50
Adiantum.....	.....	to 1.00	.....	to 1.25	.50	to 1.50	.....	to 1.25
Smilax.....	12.50	to 15.00	12.50	to 15.00	12.00	to 15.00	.....	to 12.50
Asparagus Plumosus, strings.....	40.00	to 50.00	.....	to 35.00	50.00	to 60.00	35.00	to 50.00
"    "    & Spreng. (100 bchs.)	25.00	to 35.00	35.00	to 50.00	25.00	to 50.00	.....	to 40.00

by the volume of stock sold the amount of business should have exceeded that of other years. Nevertheless all seem to be satisfied and full of hopes for Christmas. The supply of chrysanthemums has decreased considerably; one more week will probably see the last of them. The demand for roses and carnations has increased to some extent but with colder weather we all look for a decided improvement in demand for everything. Roman hyacinths, Paper Whites, lily of the valley and violets are holding their own; fancy sweet peas are finding ready sale. Poinsettias have made their appearance. There seems to be quite a demand for Southern smilax evergreens and Christmas festooning.

Conditions took a PHILADELPHIA backward step here last week and we regret to report that the market did not hold its own as compared with the rosy aspect of Thanksgiving week. There was a slackening of demand and the genial weather brought in far too much stock so that storage facilities in the wholesale districts were blocked to the doors. November prices were expected to hold firm and gradually go up for the rest of the season but instead of that things are back again to the October standard. Stock has to be super excellent at present to get anything like a price and the amount of prime, medium, and low grade awaiting buyers is enormous. About the only exceptions are violets and orchids. These hold their own well in view of general market conditions.

Cut flower business in the Twin Cities for the week past has been rather quiet. Roses are

practically off crop. Carnations are held back. Some scarcity in all graded stocks. My Maryland, Queen Beatrice and Mrs. Marshall Field do not appear in the market and are not yet grown here. Kate Moulton is grown extensively and brings a good price, ranging from \$6.00 to \$14.00 per 100. A few late chrysanthemums are still coming in, but they will soon be off the market. Sweet peas have not yet appeared.

## BUSINESS CHANGES.

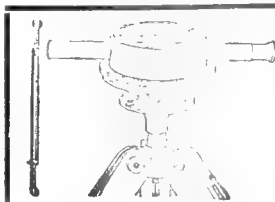
Rochester, N. H.—Folsom & Neilson, florists, have dissolved partnership. Mr. Neilson goes to Portland.

San Jose, Cal.—Frank W. Street, florist, has accepted a position with the Fairview Greenhouse Co., Victoria, B. C.

St. Paul, Minn.—Will Bros. have taken the flower stand formerly run by T. Comandros in the Golden Rule department store. W. Topel is in charge.

Darien, Conn.—Thomas Crawford has leased the greenhouses on the Wuerz place and is putting them in good condition. He will continue his business at New Canaan and Mrs. Crawford will take charge of the Darien end.

Providence, R. I.—Brooks & Macrae have bought out the store and business of the late T. J. Johnston. Ed. Brooks has been manager of the store for years and Al. Macrae is the son of the late Farquhar Macrae, so both the young men constituting this firm have good experience and qualifications for a successful business.



## EVERYBODY KNOWS

Park, Cemetery and Landscape

travelling cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are made by all who KNOW to be the only Levels in the market which meet all the requirements, at the price.

Our guarantee is: Every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make.

Shipping weight 1 lb. Description on request.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue., ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street NEW YORK

**FINE ROSES FANCY CARNATIONS**

A Full Line of All CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT****Wholesale Commission Florist,  
Choice Cut Flowers,**

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**

All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

**Edward C. Horan  
Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
1463**JOHN YOUNG****WHOLESALE FLORIST**Finest American Beauties and  
Carnations

51 West 28 St. - NEW YORK

**FRANK MILLANG****Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity. Wholesale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOORD**

43 W. 28th Street, NEW YORK

Telephone, 3300 Madison Sq

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

Telephone No. 756  
Madison Square**New York****MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephones 3860 Madison  
3861**NEW YORK****JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR  
LARGEST GROWERS**

A full line of Choice Cut Flower Stock for all purposes. Comprises every variety grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

**Walter F. Sheridan***Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY****THE HIGHEST GRADE OF VALLEY ALWAYS  
ON HAND****CARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS**, Telephone 759 Mad Sq. 42 W. 28th St., New York**PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.****CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	Last Half of Week ending Dec. 5 1908		First Half of Week beginning Dec. 7 1908	
American Beauty, Fancy and Special.....	15.00	to 20.00	15.00	to 25.00
" " Extra.....	14.00	to 15.00	10.00	to 12.00
" " No. 1.....	10.00	to 12.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Bride, 'Ald, Fancy and Special.....	4.00	to 6.00	4.00	to 8.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, Fancy and Special.....	5.00	to 8.00	6.00	to 10.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Richmond, Fancy and Special.....	5.00	to 8.00	6.00	to 10.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Chatenay.....	.50	to 10.00	1.00	to 10.00
My Maryland.....	2.00	to 12.00	2.00	to 12.00
Golden Gate, Ivory, etc.....	.50	to 6.00	.50	to 8.00

**Alexander J. Guttman****THE WHOLESALE FLORIST OF NEW YORK****34 WEST 28th STREET****PHONES: 1664--1665 MADISON SQUARE****ENOUGH SAID****TRAENDLY & SCHENCK****Wholesale Florists****Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

**44 West 28th St., New York City.****GROWERS' CUT FLOWER CO.****CUT FLOWERS  
AT  
WHOLESALE****VIOLETS, CARNATIONS, ROSES  
ORCHIDS, CHRYSANTHEMUMS, LILIES***Consignments Solicited. Shipments to Order, any Distance***39 West 28th Street,**Telephone 3533 Madison Square  
J. J. COAN, Manager**NEW YORK**





# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## A. L. YOUNG & CO.

**Wholesale Florists**

Receivers and Shippers of Cut Flowers.

TELEPHONE 3559 MADISON SQUARE.

54 West 28th Street,

Consignments Solicited.

NEW YORK

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

**WHOLESALE COMMISSION HOUSE**

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

**Greater New York Florists' Association,**

Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

**H. C. BERNING**

**Wholesale Florist**

1402 Pine Street, ST. LOUIS, MO.

**REED & KELLER**

122 West 25th St., New York

**Florists' Supplies**

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

**THE KERVAN CO.**

Wholesale Dealers and Shippers of

**Decorative Evergreens**

Ferns, Galax, Laurel, Fresh Cycas, Boxwood, Sphagnum and all Christmas Greens

Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

**E. A. BEAVEN**

**Southern Wild Smilax,**

**Log Mosses,**

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

**SAMUEL A. WOODROW**

**WHOLESALE PLANTSMAN**

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

**GEORGE COTSONAS & CO.**

Wholesale and Retail Dealers in all kinds of

**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

**HENSHAW & FENRICH**

WHOLESALE FLORISTS

44 West 28th St., 5583 Madison Sq. N. Y.

Night and Sunday Phone 5582 Madison Sq.

Our Specialty is Everything.

Consignments of the best stock solicited.  
The square deal guaranteed to all who trade here.

**WHOLESALE COMMISSION**

Open 6 a.m. Daily

All Grades of Flowers to Suit All Buyers.

Consignments Solicited.

**J. K. ALLEN**

106 W. 28th St.

NEW YORK

Tel. 167 Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

CARNATIONS AND MISCELLANEOUS	Last Half of Week ending Dec. 5 1908		First Half of Week beginning Dec. 7 1908	
Carnations, Fancy and Novelties.....	2.00	to 3.00	2.40	to 4.00
"    Ordinary.....	.50	to 1.50	.75	to 1.50
Chrysanthemums, Fancy.....	10.00	to 25.00	10.00	to 25.00
"    Ordinary.....	5.00	to 8.00	5.00	to 8.00
Cattleyas.....	40.00	to 75.00	40.00	to 75.00
Lilies.....	5.00	to 8.00	8.00	to 12.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Narciss., Paper White.....	1.50	to 2.00	1.50	to 2.00
Roman Hyas.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas, per 100 bunches.....	8.00	to 12.00	8.00	to 12.00
Gardenias.....	20.00	to 35.00	20.00	to 40.00
Violets.....	.50	to .75	.50	to .75
Adiantum.....	.50	to .75	.50	to .75
Crowneum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 35.00	20.00	to 35.00
"    " & Spreng. (too bchs.).....	15.00	to 25.00	15.00	to 25.00

### NEW YORK MARKET.

Business in the wholesale flower markets has been anything but brisk. The disappearance, first of aspers, then dahlias, and lastly chrysanthemums, from the field, on which successive predictions of genuine milk-and-honey days have been based, seems to have failed in the case of chrysanthemums as well as with the chrysanthemum's predecessors. While an occasional spurt has been experienced, lasting a few hours, or a day or two at most, yet there has developed nothing this season equivalent to the timely revival which experience in the past has led the grower and dealer to look for as a regular thing in late November, and it can truly be said that all the predictions of "old-timers" have gone awry and few know "where they are

at." It cannot be said that the product coming to this market is excessive in quantity, and it certainly is fully up to standard as to quality, so it only requires a bracing up of demand. In the meantime prices are favorable for the buyer and florists at a greater or less distance from the city, who are trying to slide through on local material of varying quality would do well to take advantage of the present opportunity to stock up with high-class gilt-edge material such as the New York wholesalers are carrying, at prices which afford them an ample profit—a course which should have a very spiriting effect on their local patrons. Read the list offers of the wholesalers in this issue and take a try. A little sensationalism just now is needed to set the wheels a-turning at winter speed.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
Araucaria Excelsa.

For page see List of Advertisers.

## ASPARAGUS

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

## ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

H. B. Williams, Baldwinville, N. Y.  
For page see List of Advertisers.

## AUCTION SALES

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AUCUBAS

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.  
For page see List of Advertisers.

## BAY TREES.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

Henry A. Dreer, 714 Chestnut St., Phila.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Lilium Longiflorum, Japan Grown.

For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Lilies, Freesias, Hyacinths, Narcissus, Tulips.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
Narcissus Paper White Grandiflora.

For page see List of Advertisers.

Kershaw, Kelghley, Eng.

For page see List of Advertisers.

FOR SALE. 600 Finest Mixed Early Tulips, 75 Narcissus Paper White, Grandiflora Precocious, and 50 each three named Jonquills, \$3.50. Cash please. L. Merton Gage, Orange, Mass.

## CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.  
Carnation, Pink Delight.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.

Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.

For page see List of Advertisers.

Charles Knopf Floral Co., Richmond, Ind.  
New Carnations.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

East Sudbury Greenhouses, So. Sudbury, Mass.

Carnation Cuttings.

For page see List of Advertisers.

## CHRISTMAS PLANTS

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.

Chrysanthemum Novelties.

For page see List of Advertisers.

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

William Swayne, Kennett Square, Pa.  
For page see List of Advertisers.

Chrysanthemum Golden Glow from 2-14 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucy Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Pelree Bros., Waltham, Mass.

## CHRYSANTHEMUMS—Continued

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Stock plants of Early Snow Chrysanthemums, the best early white, 75c. per doz., \$5.00 per 100. James Crawshaw, 403 Plainfield St., Providence, R. I.

Chrysanthemums, good strong stock plants from solid bed. White—Polly Rose, Ivory, Clementine Touse, Alice Roosevelt, Alice Byron, Yellow—Mouravia, Chelton, Mrs. W. Duckham, October Sunshine, Pink—Glory of Pacific, Dr. Enguehard, \$2.50 per 100, assorted as wanted in any quantity. Cash. Chas. Frost, Kenilworth, N. J.

## COLD STORAGE VALLEY

H. F. Michell Co., 1018 Market St., Phila.  
For page see List of Advertisers.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.  
For page see List of Advertisers.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.

Penckock Dahlia Farms, Williamstown Junction, N. J.

Dahlia Miss Virginia Maule.  
For page see List of Advertisers.

## DAISIES

Daisies, Yellow and White Paris. Rooted Cuttings, \$1.00 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Joseph Hancock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

A. Schultheis, College Point, N. Y.

For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.  
Palms and Ferns.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

# For List of Advertisers See Page 818

**DRACAENAS**

The Geo. Wittbold Co.,  
1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway,  
New York, N. Y.  
For page see List of Advertisers.

Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

Frank Oechslin, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.  
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago, Ill.  
For page see List of Advertisers.

Whitman's Ferns, 2½ in. \$3.00 per 100;  
6 in., \$3.50 and \$5.00 per doz. 7 in. \$9.00 and  
\$12.00 per doz. James Crawshaw, Providence, R. I.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Robert Simpson, Clifton, N. J.  
Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's, 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl., Boston, Mass.

For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.

For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

F. H. Houghton, 396 Boylston St.,  
Boston.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—****Continued**

Edward MacMulkin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

J. Newman & Sons, Inc., 24 Tremont St.,  
Boston.

For page see List of Advertisers.

Tailby, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St.,  
Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.

For page see List of Advertisers.

E. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConneil, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

M. Bowe, 1294 Broadway, New York.  
For page see List of Advertisers.

The Blossom (C. C. Trepel, Mgr.),  
Bond and Livingston Sts., Brooklyn, N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE  
PLANTS**

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.

For page see List of Advertisers.

Whitlind Pottery Co., Philadelphia.  
Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.

Zanesville, O.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 West 28th St., N. Y.  
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Place, Boston.

For page see List of Advertisers.

**GARDEN HOSE**

Jos. Kopsay, So. Bend, Ind.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.

New and Standard Varieties.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

**GLADIOLI**

J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

Thomas J. Oberlin, Stinking Spring, Pa.  
Gladiolus American.

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING DEVICES**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATE-  
RIAL**

Lord & Burnham Co.,  
1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

GREENHOUSE CONSTRUCTION, Semi-  
iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.

Curved Iceless Eave.

For page see List of Advertisers.

The Weathered Co., New York City.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York  
For page see List of Advertisers.

**GUTTERS**

GUTTERS, Cast Iron Gutters, L. & B.  
Improved V Shaped Gutter with drip gut-  
ter attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**In writing to Advertisers kindly mention Horticulture**

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS, MOSS AND GREENS**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

George Cotsomas & Co., 50 W. 28th St.,  
New York.  
For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.  
For page see List of Advertisers.

The Kervau Co., 113 W. 25th St., N. Y.  
For page see List of Advertisers.

Elce Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

E. A. Beaven, Evergreen, Ala.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260 274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1637 Buckingham  
Palace, Chicago.  
For page see List of Advertisers.

**HOLIDAY PLANTS AND PALMS**

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sunlight Double Glass Sash Co.,  
Louisville, Ky.  
For page see List of Advertisers.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

**IMPROVED ECONOMY BASKET**

Buxton & Allard, Nashua, N. H.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotide kills all greenhouse pests.  
P. R. Palerhorpe Co.,  
Eleventh St., Over-shore, Ky.

For page see List of Advertisers.

Stump & Walter Co., 50 Barclay St.,  
New York.

Kiln-dried Tobacco Dust.

For page see List of Advertisers.

"The Fumigating K. I. Tobacco Powder." The first on the market and the kind that has so many imitations, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., makers and sellers.

**IRIS**

F. R. Pierson Co., Tarrytown-on-Hudson,  
New York.  
For page see List of Advertisers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.  
For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,  
1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.  
For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.  
For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Bostrom-Brady Mfg. Co., 139 Madison Ave.,  
Atlanta, Ga.  
For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Stormgade,  
Copenhagen, Denmark.  
For page see List of Advertisers.

W. A. Finger, Hicksville, L. I., N. Y.  
Lily of the Valley Clumps.  
For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in.  
pots, \$2.00 per 100. E. O. Perry, Berlin,  
Mass.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn  
made "Direct from Spores." Write for  
pamphlet. Anglo-American Spawn Co.,  
Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture."  
John F. Flood Co., East St., Dedham,  
Mass.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St.,  
New York.  
For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken  
Heights, N. J.  
For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New  
York, N. Y.

Manual of the Trees of North America,  
by C. S. Sargent, mailed to your address  
for \$6.00, by Horticulture Publishing Co.,  
11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVER-  
GREENS, PEONIES, HARDY PLANTS,  
ELLWANGER & BARRY, Rochester, N. Y.

**ONION SEED**

Federlo C. Varela, Tenerife, Canary Ids.  
Bermuda Onion Seed.  
For page see List of Advertisers.

**ORANGE TREES**

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.  
For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists.  
For page see List of Advertisers.

Carrillo & Baldwin, Syracuse, N. Y.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.

For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse  
lead; Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.  
For page see List of Advertisers.

Robert Craig Co., Market and 40th Sts.,  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

**PANSY PLANTS.**

Pansies, extra fine plant flowering, strong  
plants, 30 cents per 100; \$2.50 per 1000.  
Edw. Wallis, Atco, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**PEAT**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.  
For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat,  
Leaf-Mould, Live Sphagnum moss, Raled  
Sphagnum moss, Green Clump moss, etc.  
Jobbers' list on application. C. W. Brown-  
ell & Co., Walden, N. Y.

Orchid Peat and Moss always on hand.  
Julius Roehrs Co., Rutherford, N. J.

**PEONIES**

Peonies only, by the wholesale—best 100  
varieties. J. F. Rosentfield, Westpoint,  
Nebr.

One of the finest collections in America.  
Send 25 cts. in stamps for new edition of  
Peony Manual. C. S. Harrison's Select  
Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual.  
Fine mixed phloxes \$2.00 per 100. C. S.  
Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and  
26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and  
Wrought Pipe. Valves, Elbows, Pipe Hooks,  
Automatic Air Headers, etc. Lord &  
Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.  
For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp.,  
\$1.25 by mail. I. N. Kramer & Son, Cedar  
Rapids, Ia.

**POINSETTIAS (Artificial)**

Poinsettias, artificial decorations our  
specialty. Sample lots of 50 in 3 sizes,  
\$3.00; 100 lots, \$6, \$8, \$10. J. Stern & Co.,  
125 N. 10th St., Philadelphia, Pa.

**For List of Advertisers See Page 818**

**PRUNING SHEARS**

Rhodes Mfg. Co., Dept. R., Grand Rapids, Mich.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

Frank H. Houghton, 396 Boylston St., Boston.  
For page see List of Advertisers.

Edward MacMulkin, 194 Boylston St., Boston.  
For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.

J. Newman & Sons, Inc., 24 Tremont St., Boston.  
For page see List of Advertisers.

Taithy, Wellesley, Mass.  
For page see List of Advertisers.

J. Breitmeyer's Sons, Detroit, Mich.  
For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.

H. G. Eyles, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.

Alex. McConnell, New York.  
For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.

M. Rowe, 1294 Broadway, New York.  
For page see List of Advertisers.

The Blossom (C. C. Trepel, Mgr.), Bond and Livingston Sts., Brooklyn, N. Y.  
For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.  
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**ROSES**

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

The E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

**ROSES — Continued**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.  
Rose Newport Fairy.  
For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass., and 3A Somerset St., Boston.  
New Forcing Rose White Killarney.  
For page see List of Advertisers.

The F. R. Pierson Co., White Killarney.  
Tarrytown-on-Hudson, N. Y.  
For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

Hoopes Bro. & Thomas Co., Maple Ave. Nurseries, West Chester, Pa.  
Rose Dorothy Perkins.  
For page see List of Advertisers.

Benjamin Dorrance, Dorrance, Pa.  
Rooted Cuttings, Young Rose Plants.  
For page see List of Advertisers.

Roses, strong, own root, 4 inch Chateau, Killarney, Richmond and Maid, \$8 per 100. Siebrecht & Son, New Rochelle, N. Y.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**SALVIAS**

My own new crop of SALVIA SPLENDENS VARIETIES is now ready: Nana Compacta ZURICH, finest early flowering pot Salvia in existence, selected seeds. Compacta Grandiflora FIREBALL, best of all for pots and groups, selected seeds. Grandiflora Ameliorata KING OF THE SCARLETS, unexcelled for late groups, with extra large deep scarlet spikes, selected seeds. Each of above per Tr. Pkt., 50c.; 6 Tr. Pkt., \$2.50. Larger quantities on special quotation. O. V. ZANGEN, Seedsman, Hoboken, N. J.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.  
For page see List of Advertisers.

**SEED GROWERS**

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., Cauliflower and Cabbage Seed.  
12 Stormgade, Copenhagen, Denmark.  
For page see List of Advertisers.

**SEEDS**

T. J. Gray Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.  
For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.  
For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.  
For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.  
For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.  
Mignonette Seed.

For page see List of Advertisers.

H. E. Fleke Seed Co., Faneuil Hall Sq., Boston.  
For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.  
For page see List of Advertisers.

**SEEDS — Continued**

A. J. Pieters Seed Co., Hollister, Calif.  
Sweet Pea and Onion Seed.

For page see List of Advertisers.

Kershaw, Keighley, Eng.

For page see List of Advertisers.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

**SHRUBS**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.  
For page see List of Advertisers.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.  
For page see List of Advertisers.

**STEAM TRAP**

E. Hppard, Youngstown, O.

**STRAWBERRY PLANTS**

H. L. Crane, Westwood, Mass.  
Barrymore Strawberry.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

VENTILATING MACHINERY. New Model enclosed, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1180 Broadway, N. Y.

**WAX FLOWERS**

We are originators of wax designs and still the standard concern. J. Stern & Co., 125 N. 10th St., Philadelphia, Pa.

**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-40 Broadway, Detroit, Mich.

Headquarters for wire work. Send for list. Ball & Betz, 31 E. 3rd St., Cincinnati, O.

Wirework—Compare our prices with others. Scranton Florist Supply Co., 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS**

Boston

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



### WHOLESALE FLORISTS— Boston—Continued

- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros., 228 Devonshire St., Boston.  
For page see List of Advertisers.
- Talby, Wellesley, Mass.  
For page see List of Advertisers.

### Chicago

- Chas. W. McKellar, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co., 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.
- Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

### Cromwell, Conn.

- A. N. Pierson, Cromwell, Conn.  
For page see List of Advertisers.

### Detroit

- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

### Minneapolis

- Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.

### New York

- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.
- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.
- Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.
- E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.
- A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.
- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.
- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.
- W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.
- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.
- Moore, Heutz & Nash, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Wm. H. Kuebler, 23 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.
- Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.
- Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.
- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.
- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.  
For page see List of Advertisers.
- George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.
- Frank Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- E. S. Shinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.
- A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.
- Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.
- The Law & Ford, 41 W. 28th St., New York.  
For page see List of Advertisers.
- J. K. ... 101 W. 28th St., New York.  
For page see List of Advertisers.

### WHOLESALE FLORISTS— Continued

#### Philadelphia

- W. E. McKissick & Bros., 1619-1621 Ransdell St., Philadelphia, Pa.  
For page see List of Advertisers.
- Leo Nlessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

#### St. Louis

- H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

- Samuel A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

### WILD SMILAX

- E. A. Heaven, Evergreen, Ala.  
Southern Wild Smilax; Log Mosses.  
For page see List of Advertisers.

## New Offers in This Issue.

### ARAUCARIAS, KENTIAS, FERNS.

- Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.  
For page see List of Advertisers.

### ASPARAGUS AND RHUBARB FOR FORCING.

- Warren Shinn, Woodstown, N. J.  
For page see List of Advertisers.

### BLOOMING PLANTS FOR THE HOLIDAYS.

- Hinode Florist Co., Whitestone, L. I., N. Y.  
For page see List of Advertisers.

### CHRISTMAS FLOWERS.

- J. A. Budlong, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.

### CHRISTMAS HOLLY, FLOWERS AND SUPPLIES.

- Welch Bros., 226 Devonshire St., Boston.  
For page see List of Advertisers.

### CHRISTMAS DELIVERY IN BOSTON AND VICINITY.

- Thomas F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

### CHRISTMAS PLANT SPECIALTIES.

- Robt. Craig Co., Market & 49th Sts., Phila.  
For page see List of Advertisers.

### CHRISTMAS FLOWERS.

- Poehlmann Bros. Co., 23-37 Randolph St., Chicago.  
For page see List of Advertisers.

### CHRISTMAS FLOWERS.

- S. S. Pennock-Meehan Co., Philadelphia.  
For page see List of Advertisers.

### CYCLAMENS FOR CHRISTMAS.

- Thomas Roland, Nahant, Mass.  
For page see List of Advertisers.

### CARNATIONS, ROOTED CUTTINGS.

- Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

### CARNATION MAY DAY.

- The E. G. Hill Co., Richmond, Ind., E. T. Grave, Richmond, Ind.  
For page see List of Advertisers.

### CARNATION EDWARD.

- W. H. Shennway, Berlin, Conn.  
For page see List of Advertisers.

### CHRISTMAS PLANTS.

- A. Leach & Co., Rosindale, Boston, Mass.  
For page see List of Advertisers.

## NEW OFFERS—Continued

### CHRISTMAS EVERGREENS AND CUT FLOWERS.

- H. M. Robinson & Co., 15 Province St., Boston.  
For page see List of Advertisers.

### CARNATION MARCHIONESS.

- L. E. Marquisee Estate, Syracuse, N. Y.  
For page see List of Advertisers.

### CASTLE COUPLING.

- The Castle Co., 170 Summer St., Boston.  
For page see List of Advertisers.

### FERNS: KENTIAS.

- Henry Weston, Hempstead, N. Y.  
For page see List of Advertisers.

### FLOWER POT HANDLE AND HANGER.

- W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.

### GREENHOUSE BUILDING MATERIAL.

- John C. Moninger Co., 117 E. Blackhawk St., Chicago.  
For page see List of Advertisers.

### GREENHOUSE CONSTRUCTION.

- Foley Mfg. Co., Western Ave., 25th & 26th Sts., Chicago.  
For page see List of Advertisers.

### HOLIDAY FLOWERS, ORCHIDS.

- James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

### HIGH-GRADE PAPER FOR CATALOGUES.

- Geo. W. Wheelwright Paper Co., 95 Milk St., Boston.  
For page see List of Advertisers.

### HEADQUARTERS FOR ORCHID PLANTS.

- Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

### HOLIDAY GOODS AND NOVELTIES: FINE SPECIALTIES.

- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

### HARDY ROSES AND RAMBLERS: FORCING GLADIOLUS.

- A. T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- Walter F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.

### HOLIDAY FLOWERS.

- C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.

# For List of Advertisers See Page 818

**NEW OFFERS—Continued****KOSTER'S BLUE SPRUCE WANTED.**

J. H. Troy, 24 E. 24th St., New York.  
For page see List of Advertisers.

**LAUTEN FUMIGATOR.**

Wilson Plant Oil & Fertilizer Co., Chatham, N. J.  
For page see List of Advertisers.

**POINSETTIAS, GENUINE.**

J. K. Allen, 106 W. 25th St., New York.  
For page see List of Advertisers.

**PLANT POTS AND PEDESTALS.**

Jones, McDuffee & Stratton Co., 33 Franklin St., Boston.  
For page see List of Advertisers.

**RHODODENDRONS.**

Anthony Waterer, Knap Hill Nursery, Surrey, Eng.  
For page see List of Advertisers.

**RETAIL FLORIST.**

Palmer's, Buffalo, N. Y.  
For page see List of Advertisers.

**SALVIA SPLENDENS SEED.**

O. V. Zangen, Hoboken, N. J.  
For page see List of Advertisers.

**SMITH'S PEERLESS ASTER SEED.**

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

**SMILAX, HEAVY STRINGS.**

Vern L. Schluraff, 1041 W. 5th St., Erie, Pa.  
For page see List of Advertisers.

**WHOLESALE PLANT MARKET.**

S. A. Woodrow, 53 W. 30th St., New York.  
For page see List of Advertisers.

**WINDOW BOXES.**

Illinois Htr. & Mfg. Co., 3946 Wentworth Ave., Chicago, Ill.  
For page see List of Advertisers.

**NATIONAL FARM SCHOOL.**

The season's work of this institution at Doylestown, Pa., is now in full progress and the results of the intelligent work of the students in the horticultural departments, under the able guidance of Professor Walter F. Fancourt, are already beginning to show. The first shipment of greenhouse-grown tomatoes was sent last week to Felix & Spatola, Philadelphia, and, being of better color and more suitable size than could be obtained elsewhere, brought 5c. per lb. over the market price. It pays to take pains and put brains into the work whether it be growing tomatoes or anything else. Mr. Fancourt has been highly complimented by the faculty on the success of his work so far, and has the brightest prospects for the future in his efforts to turn out a lot of able and efficient young men to tackle the horticultural work of the future.

G. C. WATSON.

A western grower who has made a big success in growing high grade asters—the kind that wholesale for six to eight dollars a hundred—sets his plants two feet apart in the rows, and the rows are 4 feet apart. An enormous quantity of water must be supplied from the time buds are formed. If extraordinary results are sought, plenty of room and plenty of water is the key.

**MASSACHUSETTS AGRICULTURAL COLLEGE.****A Short Course in Floriculture.**

During the past few years there has been an increasing demand for educational advantages along all lines of agriculture and horticulture. This demand has been felt keenly at the Massachusetts Agricultural College and this year a short course will be offered for the first time by the department of floriculture. That no holiday season may break into the course, lectures will begin Jan. 5, ending March 10, before the Easter rush begins.

This course is outlined with the idea of furnishing young men who have not the time to devote to a longer course, with the theoretical and practical considerations which are essential for success in floriculture. The course will cover as thoroughly as time will permit those aspects of the work of special interest to the growers. Greenhouse construction, greenhouse details, such as ventilators, gutters, benches, etc., greenhouse furnishings and equipment, heating, florists' crops, and florists' trade are some of the topics to be considered.

In addition to the regular lecture work of the course which is given by Professor E. A. White it is expected that talks will be given by experts in greenhouse design and construction, greenhouse heating; in growing special crops such as roses, carnations, violets, orchids, wholesale marketing, retail marketing, etc. The co-operation of several of the most up-to-date practical florists has been secured for these talks. This course will consist of five exercises each week.

The work given in soils and fertilizers, greenhouse insects and diseases of greenhouse crops will also be required of men electing this course. Because of lack of accommodations this year the course in floriculture will be limited to fifteen.

The cost of the course will be as reasonable as possible. Tuition will be free and the cost of board and rooms in private families varies from \$4 to \$6 per week. Board at the college dining room may be obtained for \$3.75. A circular describing fully these courses may be obtained of Prof. J. A. Foord, Amherst, Mass.

**NEW ART VOLUME ON GARDENING.**

An edition de luxe of a new gardening book is no rarity in these days and indeed we oftentimes wonder who it is that buys the many handsome books that are continually coming out. What promises to be one of special interest is entitled *An Artist's Garden, Tended, Painted and Described* by Anna Lea Merritt. With 16 full-page illustrations in colors by the author. The garden here described and illustrated lies in one of the most beautiful and quiet valleys of Hampshire. The book will be found serviceable, as it abounds in hints useful both for the beginner and expert in gardening. The author is an artist well known for her work, but it is an unusual thing for an artist to be also the gardener and the author of the book she illustrates. The price is \$5.25 plus postage.

C. HARMAN PAYNE.

**JACK ROSE DAHLIA AND A MILESTONE.**

"Jack Rose was also among the number but, owing to the cold nights which prevailed a short time ago, the color was not as good as I have seen, although it was still the color of Jacqueminot rose, when that great rose was past its best. Yet it was not 'Magenta,' as my good friend George C. Watson states in this week's issue of *Horticultural* he sees in it. He must have seen the Jack Rose Dahlia at a great disadvantage, but George is very much given to disputation. On one occasion one of his best friends accused him of disputing the figures on a mile post."—Ed. Lonsdale, in *Florists' Exchange*, Oct. 31.

What I said about the color of this new dahlia of Mr. Peacock's was simply that it looked to me more like magenta than a good Jacqueminot color, and that I thought Katherine Duer would beat it as to color. But I am quite willing to revise this opinion if, as I am now informed, the blooms from which my impression was formed were not at their best. It is but justice to Mr. Peacock to make this statement. As to Mr. Lonsdale's charge that I am by nature "disputatious"—I deny it. I always accept everything I am told without discussion. Threshing a subject out to get at the facts I consider an absolute waste of time. As for the milestone yarn—I deny that also. It was merely one of Robert Craig's inventions. But if one be on a journey and very tired it is sometimes hard to believe even a milestone. That I ever had the temerity to dispute any statement made by my grave and reverend seniors, Messrs. Craig and Lonsdale, may appear wonderful to them, but at least, it shows my courage and it is far better fun talking to them than with a milestone. You might as well talk to a milestone as with some people, but Messrs. Craig and Lonsdale are not in that class.

G. C. WATSON.

**DURING RECESS.****Chicago Florists' Club.**

This club instituted a new feature last Thursday evening in the shape of a Ladies' Night. It proved highly successful. About one hundred sat down at a luncheon in the banquet hall above the Union restaurant, where the club usually meets.

At the close of the repast President Kill heartily welcomed the members and guests, and introduced P. J. Foley, who after a few happy remarks announced the programme. This consisted of speeches expressing pleasure at having the ladies present, music of a high order and specially-arranged-for speeches by two men supposed to be newcomers among the florists' employees. These captured the house, being professionals in a humorous line. One was introduced as Mr. Roy Weed and in recounting his varied experiences as a "Weed" among the flowers so carried his audience with him that few suspected the joke being played upon them.

The meeting broke up just before twelve, and all wished that Ladies' Night should become a regular part of the club's entertainments.

## List of Advertisers

	Page		Page
Advance, The Co.	82	Lutton W. H.	821
Allen J. K.	801	Manda Jos. A.	796
American Nursery	772	MacMullen E. A.	806
Aschmann Godfrey	784	McCarthy N. F. & Co.	802-811
Atlanta Florist Co.	800	McConnell Alex.	811
Barbrick Thos. H.	818	McKellar Charles W.	816
Barrows H. H. & Son	796	McKissick, W. E. & Bros.	808
Bassett & Washburn	770	McManus Jas.	791-795
Bayersdorfer H. & Co.	817	Marqusee Louis E.	771
Beaven E. A.	811	Meyer J. C. & Co.	807
Berning H. G.	811	Micheli H. F. Co.	793-820
Bosson The	86	Michigan Cut Flower Exchange	811
Bobbiuk & Atkins	771	Milling Bros.	810
Boddington A. I.	790	Milling Frank	810
Boston Florist Letter	793	Miller, E. S.	791
Co.	807	Muninger J. C.	821
Boston Plate and Window Glass Co.	821	Moore, J. L.	771
Bostrom-Brady Mfg. Co.	809	Moore, Hentz & Nash	810
Bowe, M. A.	806	Moore-Livingston Co.	787
Breck Joseph & Sons	793	Morse C. C. & Co.	793
Brekmeier's J. Sons	806	Mosbach Greenhouses	818
Bridgeman's Seed Warehouse	793	Murray Samuel	806
Budlong J. A.	805	New England Nurseries	772
Burpee W. A. & Co.	793	Newman J. & Sons	807
Buxton & Allard	821	Niessen Leo Co.	808
Carrillo & Baldwin	796	North Carolina Evergreen Co.	759
Castle Co.	822	Oberlin Thos. J.	791
Chicago Carnation Co.	770	Ochsman E. A.	797
Clarke's David, Sons	806	Ordonez Bros.	796
Cleary's Horticultural Co.	722	Ouwkerk P.	772
Coan J. J.	810	Paethorne P. R. Co.	820
Cockroft Jas. T.	770	Palmer W. J.	817
Coutson Geo. & Co.	811	Park Floral Co.	810
Cowee W. J.	803	Payne John A.	820
Craig, Robt. Co.	708	Peacock Dahlia Farms	771
Crane H. L.	791	Pennock-Meehan Co.	767
Crawback Geo. W.	811	Perkins St. Nurseries	766
Dingee & Conard Co.	761	Pierson, A. N.	796
Doane Geo. B. & Son	822	Pierson F. R. Co.	769
Dorner F. Sons & Co.	770	Pierson U Bar Co.	823
Dorrance Renj.	772	Pieters A. J. Seed Co.	793
Dreer H. A.	811	Poehlman Bros. Co.	805-809
Dunlop John H.	806	Pratt B. G. Co.	820
Dysart R. J.	807	Pulverized Manure Co.	820
East Sudbury Greenhouses	770	Quaker City Machine Co.	822
Edwards Folding Box Co.	818	Raynor John L.	804
Elliott Wm & Sons	792	Reed & Keller	811
Eiler J. G.	811	Reinberg Peter	808
Ernest W. H.	819	Reuter S. J. & Son Inc.	770
Eyres	806	Rice Bros.	808
Farquhar R. & J. & Co.	793	Rickards Bros.	793
Fiske, H. E. Seed Co.	793-820	Robinson H. M. & Co.	788-803
Foley Mfg. Co.	823	Rock Wm. L. Flo. Co.	806
Ford Bros.	803-810	Roehrs Julius Co.	772-796
Froment H. E.	803-810	Roper Albert	770
Galvin Thos. F.	7806	Roland, Thomas	769
Greater N.Y. Florists' Association	811	Rolker August & Sons	819
Grey T. J. Co.	793	Rose Hill Nurseries	796
Griener Cut Flower Co.	810	Saltford Geo.	810
Gude Bros. Co.	806	Sander & Son	796
Guttman Alex. J.	810	Schlur ff Vera L.	808
Hall Asso.	821	Schulteis Anton	797
Hartmann Hjalmar & Co.	793	Schulz Jacob	807
Hauswirth M. C. & J. E.	806	Scott, John	796
Heacock Jos. & Co.	789	Sharp, Partridge & Co.	821
Henshaw & Fenrich	811	Sheridan W. F.	815
Herbert Davis & Son	771	Shinn, Warren	789
Hews A. H. & Co.	819	Shumway W. H.	771
Hilfinger Bros.	819	Siggers & Siggers	821
Hill, The E. G. Co.	701	Simpson Robt.	792
Hinode Florist Co.	767	Situations & Wants	810
Hittings & Co.	822	Slinn B. S. Jr.	810
Hoffman	807	Smith Elmer D. & Co.	791
Hoopes Bro. & Thomas Co.	772	Smyth Wm. J.	806
Horan E. L.	814	Standard Plate Glass Co.	721
Houghton F. H.	806	Stearns A.T. Lumber Co.	822
Hunt E. H.	820	Stump & Walter Co.	820
Illinois Heater & Mfg. Co.	787	Sunlight Double Glass Wash Co.	820
Jones McDuffie & Stratton	777	Swayne Wm.	771
Kersal	793	Tailby	807
Kervan The Co.	811	Torburn J. M. & Co.	793
Krieger, P. F.	810	Totty Chas. H.	771
Krieger, C. H.	812	Tracy & Schenck	832
Knopf, Chas., Florist	790	Tracy, C. C.	806
Kraus	792	Tracy, H.	818
Krausnell Bros. Co.	822	Tracy D. J.	771
Kuebler A. H.	811	Valentine, J. A.	806
Lager & Humel	817	Vincent R. L. & Sons	791
Langjahr, Albert H.	817	W. P. Co. Conserv.	772
Leonard Seed	817	Walter A. J.	789
Leuthy A. & Co.	817	Walter John & Sons	772
Lord & Burnham Co.	822	W. P. Co.	822

Pa. e	Page
Wheelwright Geo. W.	794
Whitdin Pottery Co.	819
Weston H.	789
Wilson	750
Wilson Plant, Oil & Fertilizer Co.	820
Winterson, E. F. Co.	818
Wittbold Geo. Co.	797
Wood Bros.	771
Woodrow Sam'l A.	768
Yokohama Nursery	789
Young A. L.	811
Young John	804-810
Young & Nugent	806
Zinn Julius A.	807
Zvolane A. C.	793
Zaugen O. V.	791

### NEWS NOTES.

**Pittsburg, Pa.**—Harris Bros. have moved from Fifth Ave. to Market St.

**New Britain, Conn.**—The florist business of the late T. E. Bennet is being carried on by his wife.

**Spokane, Wash.**—Fire supposed to have started from spontaneous combustion in a coal pile, damaged the Barber greenhouses to the amount of \$200 November 30.

**Waukesha, Wis.**—The old greenhouses of Schneek & Bleise were destroyed by fire with a loss of \$2,500 on November 28. The new buildings, recently completed, were saved.

**San Fernando, Cal.**—W. J. Mann, the present secretary of the San Fernando Nursery Co., succeeds to the position of manager made vacant by the retirement of H. E. Middlekauff.

**Springfield, O.**—The Schmidt & Botley Co. has completed its organization by the election of the following officers: President, Adam Schmidt; vice-president, Robt. H. Botley; secretary and treasurer, C. W. Schmidt.

**Everett, Mass.**—Clifford Tilton, florist, was made the victim of a bogus check worker on December 8 to the amount of \$49. Floral pieces for a dead sister were purchased, and the name of the mayor-elect used.

**Chicago, Ill.**—The failure of the Fleischmann Floral Co. in New York does not affect the company of similar name in Chicago, as B. F. Rubel, the president, states that Mr. Fleischmann has had no interest in that business since 1903.

**Riverhead, N. Y.**—Arthur Lee's greenhouses in this Long Island village have been extended from year to year until they now number fifteen. The place is a good example of how to build up a local trade and develop a valuable clientele.

The La Crosse Florists' and Gardeners' Association has been formed at La Crosse, Wis., with seventeen charter members. Officers were elected as follows: President, J. S. Medary; vice-president, C. E. Schaefer; secretary, W. R. Ellers; treasurer, Paul Zoelner. Meetings will be held at Hotel Stoddard the second Tuesday of each month.

### IN BANKRUPTCY.

**Washington, D. C.**—J. J. Harty & Co., wholesale florists, are reported as failed, and Mr. Harty has disappeared from the city.

### MISCELLANEOUS WANTS

**WANTED**—*Alsophila australis*, in smaller sizes. State price and quantity in stock. J. F. Anderson, Short Hills, N. J.

## Troy's WANT Corner

### WANTED

Large Koster's Blue Spruce running from 5 ft. to 8 ft. high. State size and price and how many you can supply.

Write giving full particulars to

**J. H. TROY,**

Care "The Rosery,"

24 East 34th St., NEW YORK CITY.

### HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

**THOS. H. BAMBRICK**

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## SALESMAN WANTED

For nursery stock from an old established nursery. Must have experience and knowledge of the business. Good salary and expenses. Address J. K., Horticulture.

**WANTED**—A working nursery foreman and salesman, one who understands the value of imported plants. Reply to Salesman, care this paper. Correspondence considered private.

**HELP WANTED**—Experienced man to take charge of our plant and bulbous department. S. J. Reuter & Son, Inc., Westbury, R. I.

### SITUATIONS WANTED

**SITUATION WANTED**—By practical landscape gardener and florist; private or commercial; middle aged; married. J. Hodge, 44 West St., Fitchburg, Mass.

**SITUATION WANTED**—In some well established greenhouse plant or in some florists' store, in or around Boston preferred. A-No. 1 references. Address H. G. Hampe, 19 Spring Park Ave., Jamaica Plain, Mass.

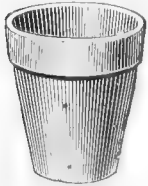
### FOR SALE

## FOR SALE On Favorable Terms

The Mosbaek Greenhouse Co. offer their plant at Onarga, Illinois, for sale. This plant consists of Eight Modern Greenhouses each 25 x 100 ft., well equipped with Ferns and Bedding Plants of all kinds, and Several acres of Perennials. Also a good sized dwelling house and five acres of land adjoining; also leasehold for 47 acres of additional rich land, about one-half of which is set to Asparagus and Peaplant. The business is mainly wholesale—very little retail business being done. Any one interested will be furnished with detailed information on application to

**THE MOSBAEK GREENHOUSE CO.**  
ONARGA, ILLINOIS

**FOR SALE**—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### GREENHOUSES BUILDING OR CONTEMPLATED.

**Perry, O.**—Mr. Norton, one house.  
**Albany, N. Y.**—F. A. Danker, one house.  
**Chicago, Ill.**—Ernest Oechslein, additions.  
**Middletown, R. I.**—G. Silva, house 12x30.  
**Manomet, Mass.**—Bert Smith, range of houses.  
**Union, N. H.**—Frank Varney, one house.  
**Leroy, O.**—C. C. Cheney, one house, 30 x 100.  
**Marengo, Ia.**—R. Friedrichson, one house.  
**Colville, Wash.**—H. C. Smith, one house.  
**Philadelphia, Pa.**—C. Eisele, two houses.  
**Millersburg, O.**—Howard Mast, range of houses.  
**Tidewater, Va.**—Mrs. C. M. Terry, one house.  
**Lexington, Ky.**—Michler Bros. Co., one house.  
**Camp Hill, Pa.**—L. F. Opperman, one house.  
**Westford, Mass.**—James Spinner, one house.  
**Dubuque, Ia.**—W. A. Harkett, range of houses.  
**Wayne, Pa.**—Howard Clark, conservatory.  
**Walden, N. Y.**—W. P. Kestelo, range of houses.  
**Houghton, Me.**—C. F. Strout, vegetable house.  
**Watervliet, N. Y.**—Henkes Bros., house 30 x 150.  
**Northampton, Mass.**—A. B. Graves, improvements.  
**Ogden, Utah.**—B. Van der Schult, house 29 x 100.  
**Greenwood, Mass.**—Richard L. Pittman, one house.  
**San Francisco, Cal.**—Peter Thiesen, range of houses.  
**Winsted, Conn.**—Mrs. W. L. Smith, range of houses.  
**Minneapolis, Minn.**—Will Bros., range of houses.  
**Syracuse, N. Y.**—P. R. Quinlan, rose house, 40 x 300.  
**Williamsport, Pa.**—Frank Hill, two houses, each 28 x 140.  
**Morgantown, W. Va.**—Park Department, addition 53 x 175.  
**Cromwell, Conn.**—A. N. Pierson, two houses each 30 x 120.  
**Owatonna, Minn.**—Clinton Falls Nursery Co., range of houses.  
**Washington, N. J.**—A. J. Bryan, three houses, each 33x140.  
**Bedford, Mass.**—New England Nurseries, five houses, each 100 ft. long.  
**Fall River, Mass.**—Park Department, greenhouses and boiler house at Oak Grove Cemetery.

### A GOOD CHRISTMAS PRESENT.

We Can Supply the Following Books, Postpaid at the Prices Listed.

**The Dahlia.** By L. K. Peacock. Price, 30 cts.

**Water Gardening.** Peter Bisset. Price, \$2.50.

**Barenburg on Grasses.** Barenburg. Price, \$1.00.

**Chrysanthemum Manual.** Smith. Price, 40 cts.

**The Chrysanthemum.** Herrington. Price, 50 cts.

**Cultural Notes on Roses.** Brigham. Price, 25 cts.

**The American Carnation.** C. W. Ward. Price, \$3.50.

**Commercial Violet Culture.** Dr. B. T. Galloway. Price, \$1.50.

**Roses and How to Grow Them.** By Many Experts. Price, \$1.10.

**How to Make Money Growing Violets.** Saltford. Price, 25 cts.

**Manual of the Trees of North America.** C. S. Sargent. Price, \$6.00.

**Daffodils-Narcissus and How to Grow Them.** A. M. Kirby. Price, \$1.10.

**The New Cyclopaedia of American Horticulture.** L. H. Bailey. Six large quarto volumes; 146 full-page plates; 25,000 plant names; \$25.00 in payments of \$1.00 down and eight monthly payments of \$3.00 each, or cash payment of \$23.75.

### PATENTS GRANTED.

905,238. Flower Box. Edwin Schaffer, Frankford, Pa.

905,348. Insect Exterminator. Wiley F. Nanney, Ben Franklin, Tex.

905,573. Device for Repairing Flowers. Ira L. Pillsbury, Galesburg, Ill.

905,591. Lawn Mower. Thomas Rowe, Wynnewood, Pa.

905,595. Land Marker. James W. Shell, Vaughn, Ga.

905,674. Plant Protector. Fred C. Elliott, Tallahassee, Fla.

905,700. Hand Planter. Albert C. Hertzfeldt, Independence, Wis.

904,769. Supporting Stake. John O. Ford, Jacksonville, Tex.

### INCORPORATED.

**Fredonia, N. Y.**—Fredonia Seed Co.; F. M. Roesch, C. P. Sampson, S. C. Roesch; capital, \$50,000.

**Geneva, N. Y.**—Geneva Nursery Co., Chas. T. Struble, F. Kaiser, C. Wehnes; capital, \$10,000.

**Seattle, Wash.**—Interlaken Nursery & Floral Co.; J. J. Bonnell, F. W. Stevens, F. M. Jordan; capital, \$5,000.

**New York, N. Y.**—Ferdinand Fleischmann; F. Fleischmann, J. Ansbacher, S. Offenbach; capital \$50,000. Flowers, fruit, etc.

### KRICK'S "Perfect" Flower Pot Handle and Hanger



The Perfect Flower Pot Handle and hanger is used for lifting plants out of Jardiniers, also for hanging up plants for Decorations on Walls, etc., and will sustain a weight of 100 lbs.

No. 1. Will fit from 2 to 5-in. pots, per doz. ....30c.

No. 2. Will fit from 5 to 8-in. pots, per doz. ....40c.

No. 3. Will fit from 8 to 12-in. pots, per doz. ....50c.

By Mail, 10c, extra per doz. Sample pair 10c, postpaid.

W. C. KRICK, 1164-66 Greene Ave., BROOKLYN, N. Y.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.	
Price per crate	Price per crate
1500 2 in. pots in crate \$4.38	120 7 in. pots in crate \$4.20
1500 2 1/2 " " " 5.25	120 8 " " " 3.00
1500 3 " " " 6.00	48 9 in. pots in crate \$3.60
1000 3 " " " 5.00	48 10 " " " 4.80
900 3 1/2 " " " 5.80	24 11 " " " 3.60
500 4 " " " 4.50	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
144 6 " " " 3.16	6 16 " " " 4.50

Send pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address **Hilfinger Bros., Pottery, Fort Edward, N.Y.** August Holker & Sons, Agts. 31 Barclay St., N. Y. City.

### Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

### A GOOD FUMIGATOR.

The Lauten Fumigator advertised by the Wilson Plant Oil and Fertilizer Company in this issue comes well recommended and is sure to have all the qualifications for a safe, effectual and economical fumigator.

### NEW HEATING APPARATUS.

Findlay, O.—J. J. Waaland has installed a 40 h. p. boiler.

**SUNLIGHT**  
**DOUBLE-GLASS**  
**SASH** PATENTED




**FOR**  
**HOT-BEDS**  
**AND COLD FRAMES**

ADDRESS  
Sunlight Double-Glass Sash Company  
929 East Broadway LOUISVILLE, KY.

### The double layer of glass does it

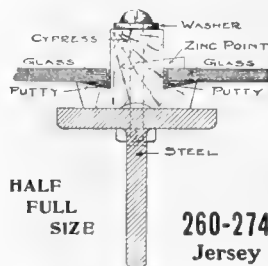
Lets in the light always.  
Never has to be covered or uncovered; no boards or mats needed.  
Retains the heat, excludes the cold.  
Makes stronger and earlier plants.  
Glass slips in; no putty; cannot work loose; easily repaired.  
Ask for catalog W It tells all about Sunlight sash.  
Special catalog for greenhouse material.



### The "T" Bar Curved Eave Greenhouse

Is absolutely Dripless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed—all steel inside, all wood outside.

**Greenhouses of Every Type**



**JOHN A. PAYNE**  
Greenhouse Designer and Builder  
260-274 Culver Ave.  
Jersey City, N. J.



## Lauten Fumigator

**IT**

- Burns Tobacco Stems, the cheapest and most effective fumigating medium yet found.
- Costs no more than one box Tobacco Paper and will last a lifetime.
- Will not blaze or emit any foreign gases.
- Will not discolor or cripple flowers.
- Is easy to handle and there is no danger of fire in using.
- Will burn 5 or 6 hours without attention.

Write for prices of all Supplies for the Grower  
**WILSON PLANT OIL & FERTILIZER CO.** CHATHAM New Jersey

PRATT'S

## "SCALECIDE"

TRADE MARK REG. U. S. PAT. OFF.

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than lime sulphur. Not an experiment.

Write for FREE sample and endorsement of fruit growers and entomologists who have used it for years.

Prices: 50-gal. bbl., \$25.00; 30-gal. tin, \$15.00; 10-gal. can \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00, f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water.

"Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper."

**B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.**



## The Best Bug Killer and Bloom Saver

**For PROOF**  
Write to  
**P. R. Palethorpe Co.**  
OWENSBORO, KY.

# WIZARD

TRADE BRAND MARK

## MANURES

Dried, screened and packed in bags of 100 lbs. each.

**PULVERIZED SHEEP MANURE**  
PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

**SHREDDED CATTLE MANURE**  
EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —  
**Pulverized Manure Co.**  
31 Union Stock Yards, CHICAGO

## DON'T EXPERIMENT USE To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

**H. E. FISKE SEED CO.**  
13 Faneuil Hall Sq., Boston, Mass.

**STUMPP & WALTER CO.,**  
50 Barclay St., New York.

**HENRY F. MICHELL & CO.,**  
1018 Market St., Philadelphia.

**E. H. HUNT, Gen'l Agent,**  
76-78 Wabash Ave., Chicago.

## KILMDEAD TOBACCO DUST

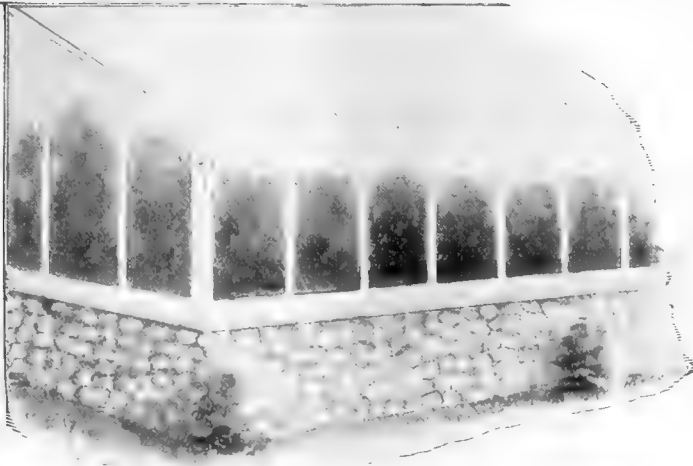
Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING  
Dusted on Plants It covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

**Anything of Value**  
to the profession  
**CAN BE SOLD**  
through advertising in  
**Horticulture**





### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural  
Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

# MERRY CHRISTMAS

Here we are again at Christmas and another year almost gone. It is time to be making plans for next season and taking thought as to how this year's work can be improved on in 1909. If you have greenhouses you are probably thinking of making an addition; if you are a retailer you expect to make your store nicer and neater than ever, possibly build a conservatory or a show house. If you have anything in the greenhouse line don't forget to consult us before you build and get our prices. We can interest you in our material if you only give us a chance. . . This is our 40th successful year. We wish you all a Merry Xmas and much success for the New Year.

## JOHN C. MONINGER CO.

117 E. Blackhawk St., CHICAGO

## PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

## USE THE BEST Economy Greenhouse Brackets

are used by leading growers everywhere. Send for price list and descriptive circular.

**BUXTON & ALLARD, Dept. A, Nashua, N. H.**

**The FLORISTS' HAIL ASSOCIATION  
OF AMERICA,** insurer of 29,000,000  
sq. ft. of glass. For particulars address  
**John G. Ester, Sec'y, Saddle River, N. J.**

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

## FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

**Always Write Us Before Buying  
SHARP, PARTRIDGE & CO.**

22nd and Lumber Streets, CHICAGO  
**WE HAVE SOME SNAPS**

BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.

**Holds Glass  
Firmly**

See the Point

**PEERLESS**

Glazing Points are the best.  
No right or lefts. Box of  
1,000 points 75 cts. postpaid.

**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.

FULL SIZE  
No. 2





## PRACTICAL PROPOSITIONS

Here is a curvilinear palm house with hipped back gables; the even span house at the back is for roses and general purposes.

No expensive, over ornamentation on the palm house—practical in every way—yet pleasing—a proposition for an extensive estate or for the smaller grounds.

Send for our circular showing it,

**Hitchings & Company**  
1170 Broadway New York

## A Break Down

Is liable to happen anytime in any heating apparatus

Pipes are dead sure to select

### The Coldest Night

to burst or leak, as all greenhouse men know. Happy then is he who has at hand a supply of the

### Castle Coupling

which can be applied in a few minutes, making not only an immediate tight joint on tube or pipe without thread or other preparation, but is also

### An Expansion Joint

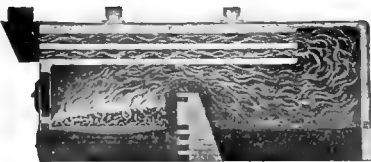
which has no equal. The cost of these couplings is but a trifle comparatively. Anyone can apply them.

Sample coupling for 3 in. boiler tube sent to any address on receipt of **50 cents**.

## The Castle Company

170 Summer Street, Boston

## KROESCHELL BOILER



MADE OF FIRE BOX FLANGE PLATE  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Judge our machine, not by what we claim but what it is and that it will do. The best way to do this is give it a trial under our guarantee that if it is not better than any other machine we will return it at our expense. Write for new circular, prices and estimates.

**The Advance Co.**  
RICHMOND, IND.

## CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

## GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

## IRON PIPE

SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

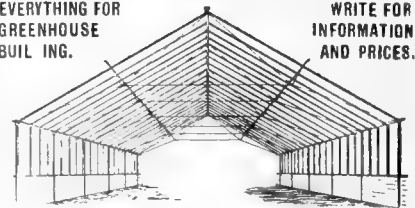


Garden and Sprinkler and Garden Hose.

Awarded diploma and medal, 1907, for the celebrated Shower Maker, \$1.00. Dealers and jobbers, ask for sample, price and electros for catalogs. JOSEPH KOPCSAY, South Bend, Ind.

EVERYTHING FOR GREENHOUSE BUILDING.

WRITE FOR INFORMATION AND PRICES.



King Greenhouses King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## THE WEATHERED COMPANY

erect the house of

### GREATEST SUNLIGHT

Iron Frame Semi-Iron Frame or All-Sash-Bar Houses Erected or Material Furnished

Send for Catalogue

P. O. Address Box 739  
NEW YORK CITY N. Y.



### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.

MERRY CHRISTMAS

1908

THE HEARTY GOOD WISHES OF

1909

HAPPY NEW YEAR

—THE—  
**FOLEY MANUFACTURING CO.**

ARE MOST CHEERFULLY EXTENDED TO  
 EVERY GOOD FRIEND AND STRANGER



THE Year of 1908, which opened with some uncertainty, is closing splendidly and we return very sincere thanks to our patrons. For the Year of 1909 we anticipate our full share of the great volume of **GREENHOUSE CONSTRUCTION**, and we are fully equipped in every way to handle promptly any order ❁ ❁ ❁

**REMEMBER**

To build a Greenhouse that will last and be satisfactory at all times—that it requires **GOOD DESIGN — GOOD MATERIAL—GOOD WORKMANSHIP**—We have all of these, so

For your next Buildings, large or small, be sure to send your sketches to our draughtsmen to make complete plans and offer suggestions.

**OUR PRICES WILL SAVE YOU MONEY**

Our 1908 Catalogue Greenhouse Material sent postpaid on request.

**THE FOLEY MFG. CO.** Western Ave. **CHICAGO**  
 25th & 26th Sts



This lean-to propagating house is connected to another house by an 11 foot passage. Note how light the roof connections are. What a perfect piece of construction detail

**CONSIDER THESE DETAILS**



Here you see an 11 foot connecting house as it joins or valleys into another house. What a wonderful lightness. You cannot make such a light connection with any other form of construction



And this is the exterior view. Did you ever see a "cleaner cut," more workmanlike example of painstaking construction in a greenhouse? Get our catalog and know all about the U-Bar

**U-BAR GREENHOUSES**

**PIERSON**

DESIGNERS AND BUILDERS



**U-BAR CO.**

1 MADISON AVE., NEW YORK

# BUILD GRAPERIES NOW

**H**AVE grapes the first year—grow them in pots while your border planted canes are getting established, ready to bear next season. This pot was grown in one of our Curvilinear Vineries, by John Ash at Miss E. J. Clarke's range, Pomfret, Conn.

His potted fruit house is also our Sectional Iron Frame Construction. You know the curvilinear house gives a chance for longer vines, or more head room for the potted fruit. The house below was recently erected at Taunton, Mass. A splendid combination of the ornamental and the every way practical.

If you will fill out this coupon sending us **both your and your employer's name and address**, we will send you our beautifully illustrated Greenhouse Book. We will also place your name on the list to receive all of our interesting booklets and catalogs as fast as they are issued from time to time.

But get started—take the matter up with at once.

Send Me The Greenhouse Book.

Name.....

Address.....

I Am Gardener For

H.



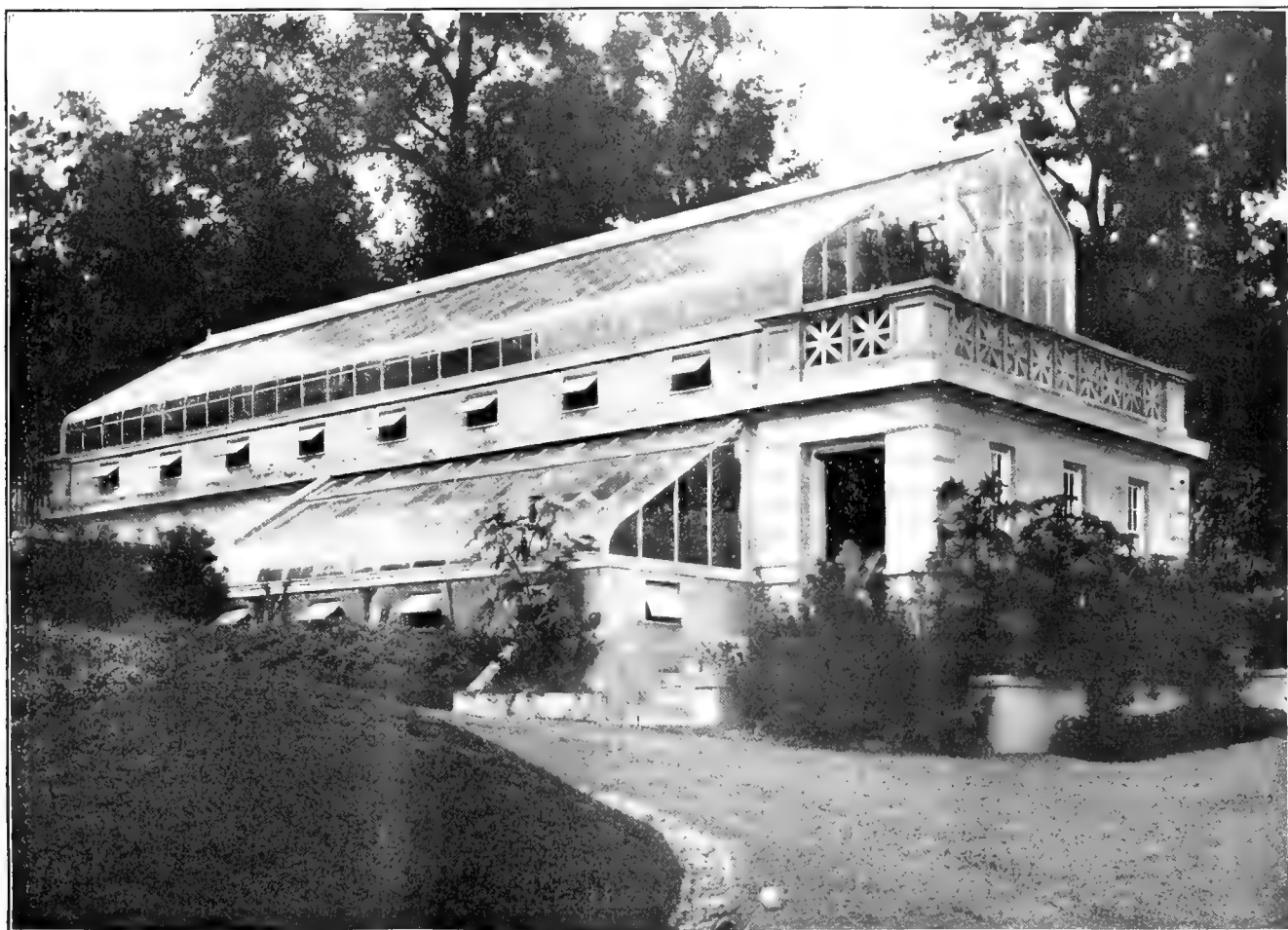
## Lord & Burnham Co.

Main Sales Office: 1133 BROADWAY, N.Y.

BOSTON: 51 Tremont Building. PHILADELPHIA: 1215 Filbert St.

# HORTICULTURE

Vol. VIII.      DECEMBER 19, 1908      No. 25



AN INNOVATION IN CONSERVATORY ARCHITECTURE  
Estate of Miss Margaret Jarvis Montclair, N. J.

*Devoted to the  
FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER  
and  
Kindred Interests*

*Published  
EVERY SATURDAY  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00*



variety, it being no unusual thing to be able to count from 20 to 25 flowering shoots on one plant at a time. Its habit of growth is perfect. We have grown this variety in quantities for the past three years for its flowers and find the demand for it much greater among our customers than for the well known variety Enchantress. We attribute this to its exquisite shade of color and remarkable keeping qualities."

**To be disseminated early in 1909.**

We endorse Mr. Grave's description; the variety has a splendid habit, a good stem, strong calyx, and we know of nothing freer, while in color it is unapproachable, that soft, brilliant shade universally admired; beside this it is one of the finest keepers we have ever handled.

**ORDERS BOOKED NOW, AND FILLED IN ROTATION**

Florists attending the Indianapolis meeting of the Amer. Carn. Society are invited to stop at Richmond and see the variety growing.

**THE E. G. HILL CO., E. T. GRAVE, Richmond, Indiana**

Originated by the late Louis E. Marquisee

Of fine form, strong clove fragrance, flowers full 3 to 3½ inches. It is extremely prolific, maturing flowers quickly, early and continuously.

**IT IS THE BEST MONEY MAKER EVER PUT ON THE MARKET.**

**\$10.00 per 100.      \$80.00 per 1000.**

Orders will be filled strictly in rotation. Come and see it at "Home."

Orders will be filed strictly in rotation. Come and see it at Home.

**LOUIS E. MARQUISEE ESTATE,**      **Syracuse, N. Y.**

Orders for January Delivery are being rapidly booked.

If you want to get in

on the ground floor with this noblest of all the new carnations place your order at once.

**Rooted Cuttings, \$12.00 per 100, \$100.00 per 1000**

**ALBERT ROPER,**                      **Tewkesbury, Mass.**

**Extra Large Bright Red Free Bloomer**

PRICES	
Rooted Cuttings, per 1000, \$60.00	Rooted Cuttings, per 100, \$8.00   Rooted Cuttings, per 25, \$2.50
" " per 500, 35 00	" " per 50, 4.50   " " per 12, 1.50

Ready for delivery Jan. 1st. '09 by the Originators and Growers

**BASSETT & WASHBURN, HINSDALE, ILL**

This new seedling Carnation is a wonder for producing flowers, full of business from start to finish, continuous throughout the season, cannot be beat for productiveness, easily grown and propagated. **Description:** Deep pink in color, very large and well built up in center with good stem and calyx. Comes into bloom early and keeps at it with wonderful results. **\$12.00 per 100; \$9.00 per 1000.** Will be heard from with others in the future.

**W. H. SHUMWAY,**

# Chicago Carnation Co.

**JOLIET, ILL.**

## CARNATION SPECIALISTS.

**Berlin, Conn.**

**NEW CARNATION**  
PINK DELIGHT

**Waxy Shell Pink.** A Grower's and Shipper's favorite. Has a holding color, keeps well, comes on long stems and is early, very free and continuous flowering.

January delivery, \$12.00 per 100; \$100.00 per 1000.

**F. Dörner & Sons Co., La Fayette, Ind.**

**Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.**

We offer choice varieties for January and later shipments.

	Per 100	Per 1000
Enchantress.....	\$2.50	\$20.00
White do.....	3.50	30.00
Rose Pink do.....	2.50	20.00
White Perfection.....	2.50	20.00
Winsor.....	3.50	30.00
Melody.....	2.50	20.00
Beacon.....	3.50	30.00
Victory.....	3.50	30.00
Aristocrat.....	3.50	30.00
Splendor.....	6.00	50.00
Vesper.....	3.50	30.00
White Lawson.....	2.50	20.00

**EAST SUDBURY GREENHOUSES,**  
Carnation Specialists

**P. O. Address South Sudbury, Mass.**  
Telephone So. Sudbury 20.

Rooted Cuttings.  
Fine Healthy Stock

	Per 100	1000
Pres. Seelye . . . .	\$6.00	\$50.00
White Enchantress, Beacon	3.50	30.00
Kingston Pet, Winsor, Melody, Victory . . .	3.00	25.00
Daheim, Enchantress, Lady Bountiful, Mrs. Lawson, White Lawson, Red Law- son, Variegated Lawson	2.50	20.00

**WOOD BROTHERS, - Fishkill, N. Y.**

**CHAS. H. TOTTY**  
**Chrysanthemums**  
**MADISON, N. J.**

## CHRYSANTHEMUMS

Strong stock from benches: White: Linwood Hall, 25c. each. Timothy Eaton, Mrs. Geo. S. Kalb (fine, early), Eselle, W. Bonaffon, Alice Byron, Ivory, C. Tousey, Dr. Ennon. Pink: Glory of the Pacific, Dr. Englehard, M. Dean. Yellow: M. Bonaffon, Crema, Halliday, Yellow Jones, "Baby," \$1.00 per dozen; \$5.00 per 100. Cash with order.

WM. SWAYNE, Box 226, KEYNETT SQUARE PA.,

# CYCLAMEN GIGANTEUM

5, 6 and 7 in. pots—50c, 75c, and \$1.00 each.

Extra heavy stock of the very best quality.

**Thomas Roland,**  
*Nahant, Mass.*

# FRANK OECHSLIN

# White Killarney

The Ideal White Rose

Order Direct from the Producers

**WABAN ROSE CONSERVATORIES**

**NATICK, MASS.**

# Newport Fairy

The Rose of the Future For  
In and Out Door.

FINE, STRONG, FIELD-GROWN STOCK

3—4 Shoots 3—4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS & CO.**

RUTHERFORD, N. J.

Hardy Rhododendrons Azaleas Conifers, Clematis, H. P. Roses, Shrubs and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK,** 216 Jane St., Westchester Heights  
P. O. No. 1, Hoboken N. J.

**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction  
**HORTICULTURAL PRODUCTS**  
on every description.

Consignments Received. Surplus Stock Converted  
**62 Vesey St., NEW YORK**

## Box Trees

and other **EVERGREENS** for **Tubs** and **Boxes**  
Our Prices are Always Right—Catalog Free  
**THE NEW ENGLAND NURSERIES, Inc.**  
**BEDFORD, MASS.**

**ROBERT CRAIG CO.**

**ROSES, PALMS,**

and Novelties in Decorative Plants

**MARKET and 49th STREETS., PHILADELPHIA, PA.**

**THE PRIZE WINNING STRAWBERRY**

**The Barrymore**

Send for Folder at Once.

**H. L. CRANE, Originator,**  
**Westwood, Mass.**

**Freezing Asparagus and  
Rhubarb Clumps for Forcing**

These clumps must be frozen before being used so it is no risk to ship them in freezing weather. We have enormous clumps of both. These roots are selling rapidly.

**WARREN SHINN**

Nurseryman, **WOODSTOWN, N. J.**

**BARGAINS in TREES and PLANTS**

Concord Grapes, \$2.00. Peach, \$3.00 per 100.

List Free. **D. J. TWOMEY, Dept. H, Geneva, N. Y.**

When getting up a catalogue or a circular remember that you can buy electros used by us at a low price. An illustration sells the stock in many cases. Horticulture Publishing Co., 11 Hamilton Place.

**JOHN WATERER & SON, Ltd.**  
**American Nursery Bagshot, England**

Are Specialists in the

**REALLY HARDY VARIETIES**

of **Rhododendron Hybrids** and in **Select Varieties of Hardy Border Plants.**

**TREES, EVERGREENS, SHRUBS, VINES, PERENNIAL PLANTS, FRUITS, TRAINED FRUIT TREES, FOREIGN GRAPE VINES, HARDY RHODODENDRONS and R. MAXIMUM** in quantity, per hundred or per thousand, very fine. Complete assortments: Careful grading: Low prices.

**AMERICAN NURSERY COMPANY,**

Sales Department, - - - - - **150 BROADWAY, NEW YORK CITY.**  
**BLOODGOOD NURSERIES DEPT.,** - - - - - **Flushing, Long Island.**  
**F. & F. NURSERIES DEPT.,** - - - - - **Springfield, New Jersey.**

**RHODODENDRONS-RHODODENDRONS**

An immense stock of all the **hardest known kinds**, 2 to 3½ ft., fine plants and all home grown, many being on own roots, far better than grafted stock—also **R. Catawbiense** seedlings of all colors and seedling **Hardy Azaleas** not to be obtained elsewhere. This is the nursery in which most of the **Rhododendrons** that have proved **hardy in America** were raised.

**GOLDEN YEW, KALMIAS,** and other **HARDY PLANTS** in great variety and of all sizes.

Catalogues on Application

**ANTHONY WATERER Knap Hill Nursery Knap Hill**  
**SURREY, ENGLAND**

(NO CONNECTION WHATEVER WITH ANY OTHER FIRM.)

**Chrysanthemum Stock Plants**

	Per doz.		Per doz.		Per doz.
Lynnwood Hall....	\$3.00	October Frost..	\$0.75	Monrovia.....	\$0.60
Mile. Marg. Desjouis	5.00	Mary Mann ....	1.00	White T. Eaton	.75
Virginia Poehlmann	1.25	Early Snow....	1.00		

A very complete line of 'Mums both new and old, in young plants, early in the year

**THE E. G. HILL CO.,** **RICHMOND INDIANA**

## Notes From the Arnold Arboretum

The chief attraction of the woods and shrubberies at the Arnold Arboretum in their present wintry aspect is the wealth of ornamental fruiting shrubs. Many kinds and many colors are there, but the most conspicuous and showy are the shrubs with red and scarlet berries, as by their bright and glowing color they present a marked contrast with the dull tints of the bare branches and warm the wintry landscape. One of the best of them is undoubtedly *Berberis Thunbergi* which keeps its scarlet berries unchanged until next spring; it is now so well known and appreciated, particularly as one of the best shrubs for low ornamental hedges, that it needs no further recommendation. Equally well known is the common Barberry, *Berberis vulgaris*; though its berries shrivel more or less, the color remains almost unchanged during the whole winter. Similar are the Asiatic *Berberis Regelia* (*B. Sieboldii* and *B. Hakodate* of some gardens) and *B. amurensis* with shorter and denser racemes profusely produced; they are of more upright habit and the latter grows into a higher shrub than the common kind. The true *B. Sieboldii* is a low shrub only a few feet high with brown branches and smaller fruits remaining through the winter.

A very conspicuous climbing shrub is *Celastrus orbiculatus* with its scarlet fruits borne profusely along the branches; it is handsomer than the native *C. scandens* which bears the fruits in clusters at the end of the branchlets. *Celastrus orbiculatus* is very well adapted for covering rocks and for climbing among low shrubs which it adorns in fall and winter with its wealth of conspicuous fruits.

To the most showy shrubs belongs the High Cranberry-bush, *Viburnum Opulus*, with its drooping clusters of large scarlet berries which though shriveled keep their bright color through the whole winter and as the shrub is tall and the clusters are borne at the end of the branches, it attracts attention more than any other fruiting shrub.

Of the Mountain Ashes, *Sorbus Americana*, and its larger fruited variety *decora* often confused with the Asiatic *S. sambucifolia*, have this year lost their fruits, probably eaten by birds, though it usually stays during the first part of the winter, but the European *S. Aucuparia* is still adorned with its drooping clusters of scarlet fruits and so is *S. Matsumurana*, a Japanese species with dense clusters of small light scarlet fruits; the latter is still very little known in cultivation, and is to be recommended not only for its handsome fruits, but also for its graceful foliage and the large corymbs of white flowers.

The closely related Red Chokeberry, *Aronia arbutifolia* (*Sorbus* or *Pyrus arbutifolia*) is now also very attractive with its bright red fruits and so is *A. atropurpurea* with purple or dark purple, sometimes almost black fruits which ripen earlier than those of the first species and begin to shrivel now. It is sometimes con-

fused with *A. nigra* which, however, drops its shining black fruit soon after ripening in August.

Among the most beautiful fruiting shrubs is *Ilex verticillata* and *Ilex la vigata* with their scarlet fruits usually borne in great abundance along the branches and often produced so profusely that the whole shrub appears from a distance as a glowing red mass. The Japanese *I. serrata* with its varieties *Sieboldii* and *argutidens* is similar but less showy, as its fruits are smaller. The most beautiful is, however, the well known evergreen Holly, *I. opaca*, the popular symbol of Christmas cheer. All the Hollies are *dioecious* and cannot be expected to bear fruits, if not staminate are planted together with the pistillate shrubs; the former may be planted in the background.

Several of the Hawthorns still hold their fruits, as *Crataegus Crus-galli* and *C. Fontanesiana* with bright red and *C. Oxyacantha* with darker red fruits. A very handsome tree is *C. cordata* now loaded with clusters of small bright scarlet fruits. Also the shrubby *C. macracantha* holds still its scarlet fruits though somewhat shriveled. A very distinct species is *C. Dawsoniana* with orange yellow fruits.

Some Roses as *R. virginiana* (*R. lucida*) and *R. humilis* are very attractive with their numerous scarlet hips and dark red branches and particularly handsome is *R. multiflora* with its panicles of pale red pea-sized hips lasting all winter.

The evergreen *Euonymus radicans* var. *vegeta* with its drooping clusters of pinkish pods disclosing the orange yellow seeds is very pretty; this is the hardiest variety of the evergreen *Euonymus* and is easily distinguished from the other forms by the broad roundish leaves. The *E. radicans* var. *Carricri* neither fruits as profusely nor is it so hardy, but it is handsomer on account of its lustrous foliage.

A very striking shrub is the Indian Currant, *Symphoricarpus orbiculatus*, on account of the unusual crimson color of its fruits borne in dense clusters along the arching branches.

Of the shrubs with white fruits *Symphoricarpus racemosus* is the only one which keeps its fruits but little changed during the early part of the winter.

All the shrubs with conspicuous yellow fruits are varieties of those with red fruits; there are yellow fruited forms of *Ilex verticillata*, of *Crataegus Oxyacantha* and of others.

The fruits of the Waxberry, *Myrica carolinensis*, show a peculiar grayish white color which gives dense and profusely fruiting masses of this shrub a somewhat misty appearance.

Also the fruits of some Privets as *Ligustrum amurense* and *L. Ibo* have a pale grayish color on account of the glaucous bloom which covers the originally black fruits, while *L. acuminatum* (*L. ciliatum* and *L. medium* of gardens) has almost and *L. vulgare* quite black and glossy fruits. Other black fruited shrubs are *Rhamnus dahurica* and *R. cathartica*, several species of *Smilax*, *Rhodotypos Kerrioides*, and *Panax sessiliflorum*, a tall shrub with dense heads of black fruits at the end of the branches. In *Ilex crenata* and *I. glabra* the black fruits are almost hidden by the evergreen foliage and therefore of little account.

Alfred Rehder.

# HORTICULTURE

VOL. VIII

DECEMBER 19, 1908

NO. 25

PUBLISHED WEEKLY BY  
**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 992

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50

## ADVERTISING RATES

Per Inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (13 times) 10 per cent.;

six months (26 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass. under the Act of Congress of March 3, 1879.

## CONTENTS

Page

COVER ILLUSTRATION—An Innovation in Conservatory Architecture.....	
NOTES FROM THE ARNOLD ARBORETUM—Alfred Rehder .....	829
THE MAN WITH THE SCISSORS—Luke J. Doogue..	831
AN INNOVATION IN CONSERVATORY ARCHITECTURE .....	831
SPECIMEN CHRYSANTHEMUM—Miss Clay Frick—Illustration .....	831
NEWS OF THE CLUBS AND SOCIETIES:	
Gardeners' and Florists' Club of Boston, Portrait Wm. Downs—Pittsburgh Florists' Club—Morris County Gardeners' and Florists' Society—Horticultural Society of Chicago—American Carnation Society .....	832
New York Florists' Club, Portrait W. B. Richards, Jr.—Newport Horticultural Society .....	833
Bar Harbor Horticultural Society—Lenox Horticultural Society—Gardeners' and Florists' Club of Baltimore—New Jersey Horticultural Society.....	835
Pennsylvania Horticultural Society—St. Louis Florist Club—Club and Society Notes.....	851
SEED TRADE .....	838
NEW YORK AGRICULTURAL EXPERIMENT STATION BULLETIN .....	838
OF INTEREST TO RETAIL FLORISTS:	
Baltimore—Buffalo—Chicago—Steamer Departures, Detroit—Pittsburgh—Plant Supply in New York—New Retail Flower Stores .....	841
FLOWER MARKET REPORTS:	
Boston, Buffalo, Indianapolis, Philadelphia, Pittsburgh .....	843
New York .....	845
OBITUARY—Mrs. David Weir—Harry C. Smith.....	850
MISCELLANEOUS:	
Publications Received .....	833
Plant Imports .....	833
Catalogues Received .....	839
Personal .....	841
Business Changes—In Bankruptcy.....	841
Pittsburgh Notes .....	842
Philadelphia Notes .....	842
News Notes .....	845-852
Greenhouses Building or Contemplated.....	852

like the latter, however, it is believed that the parcels post will prove a profitable financial venture for the Department and help to cut down rather than increase the annual deficit. No doubt, the establishment of a parcels post will be fought to a finish as it has been from the start, by the Express monopoly. But the attitude of the people toward this and some other reforms has undergone a change, of late, from that of indifference to that of eager interest. In no place is this fact better understood than in the halls of Congress and Express domination will be promptly overthrown as soon as the people show that they are emphatically in earnest in calling for this forward movement which should have been made long ago. After the barefaced plundering which florists, nurserymen and others have had to submit to in order that transportation monopolies might continue to pile up millions of surplus and pay huge stock dividends it ought not to require any urging to awaken the horticultural interests to activity on behalf of a measure which alone seems to hold out the promise of substantial and permanent relief. Write to your representative in Congress. Do it now.

### Appreciation at home and abroad

*Pear Dana's Hovey.*—This is a rather small, russety pear, but of soft buttery flesh and very pleasant sweet flavor. It is by no means new, as it has been grown in various parts of England for some years. On stiff soils it is liable to come gritty, but on drier soils and worked on the quince stock the fruits are sweet and very pleasant eating. It is a mid-winter pear, as the fruits often keep well till January. For some reason or other it has not previously been sent to the Royal Horticultural Society's fruit committee. It was so much liked that on the 24th ult. it received a practically unanimous award of merit. Shown by Messrs. James Veitch and Sons, Chelsea. The variety is said to have been raised by Mr. Francis Dana of Massachusetts, and by him named after Mr. C. M. Hovey of Boston.—*The Garden, London, Dec. 5, 1908.*

Quite so; this excellent little pear was raised by Francis Dana of Roxbury, Mass. On November 13, 1852, it was exhibited as "Seedling No. 16," before the Massachusetts Horticultural Society at Boston. At the autumn exhibition of the same society in 1865 it was awarded under the name of Dana's Hovey, the "prospective prize for best new seedling pear after a trial of five years." In the meantime it had been fully described in Downing's "Fruits and Fruit Trees of America" and regularly since that time it has had a place in the yearly prize lists of the Massachusetts Horticultural Society. The good old adage, "Taste and try before you buy" seems to have been very thoroughly practiced by our British friends in this instance, it apparently having taken them nearly half a century to appreciate the Dana's Hovey. Seemingly they are not so precocious across the water in everything as our Philadelphia friend Ed. Lonsdale wishes us to believe when in his recent notes concerning the rose Rhea Reid, in a contemporary, he says that "this is not the first time a rose has had to go to Europe and win recognition before it was appreciated in its native home!" Which moves us to remark, most modestly, that nearly three years before its triumphal visit to Paris, HORTICULTURE appreciated this rose sufficiently to have a photograph made of it for use as a cover illustration and in our accompanying notes we were not stinted in our praise of its good qualities and bright promise. Reverting to the pear—had the pear men for the past twenty years shown the same enthusiastic enterprise that Francis Dana and his associates did in their time or that the rose men have shown of late, undoubtedly the Dana's Hovey and other old standards would have been superseded long ago.

It is very pleasant to know that the recent National Flower Show netted an actual profit sufficient to pay a bonus of ten per cent. to all contributors to the guarantee fund. We hope, however, that a different disposal of this surplus will be made. The subscribers to the fund which made the show possible were not actuated by any prospect of profit and now that their money has been returned to them in full we believe that it would please them best if the surplus could be turned over in full to the custody of the treasurer of the S. A. F., or, perhaps, the Horticultural Society of Chicago, to be held in trust as a nest-egg for the next national exhibition.

It now begins to look as though we are about to get a domestic parcels post. Possibly in a tentative form but, once a start has been made, a general extension may be looked for, as was the case with rural free delivery. Un-

A nest egg

Relief in  
sight



## The Man with the Scissors

At some time during the spring and fall you are apt to find gently tapping at your door an individual bearing unmistakable signs of having an acquaintance with the soil and plants and flowers. When you find him your eyes will be attracted by a pruning shears that he dallies with as deftly as a cow-puncher handles his shooter. There is a method in this scissors play, serving to emphasize the fact that you are in the presence of a gardener, should you fail to be impressed by the other distinguishing marks.

To the man in the business this stage play produces no results but to the householder who, at these periods of the year finds himself in need of such a man's services, the results are sure and certain. There is always something to be done around a house in the gardening line, and it is with the knowledge of this fact that this itinerant gardener presents himself. His strong point is in the manipulation of the shears. If there are any shrubs around the house he will convince the owner that they need pruning. If given the job he will go at the plants, regardless of the suitability of the time of the year, like a bull at a fence, filling the air with flying branches. The average person watches and hopes for the best but the results, of course, only evidence themselves too late. The scissors man has flitted to other fields and will not return, perhaps for months, or until the victim's anger has subsided.

As a recent practical example of what this class of imposters can do we have in mind a house around which there were as many as fifty shrubs of different kinds, including a couple of Crimson Ramblers. It was upon these that one of these gardeners alighted and what he did and how he did it would take but few words to tell. He cut everything off level and the only things that escaped the slashing were the very low bushes that, happily for them, had not reached his line of horizontal beauty. After reaching the Ramblers, either from remorse of conscience or more probably because the scissors had made his hand sore, he contented himself with cutting off only the tips of the branches and leaving masses of hard canes that should have been removed, seasons before. This is not an unusual case but unfortunately a good example of what is being done on an extensive scale.

A man who is willing to work and has ability can pick up a good living by such job as these and once he

has proved his worth to those that employ him, their patronage can be depended on yearly. There is in every community plenty of work for the jobbing gardener who understands shrub and tree pruning. Thus far he is a rare commodity.



## An Innovation in Conservative Architecture

Our cover illustration this week shows the possibilities in U-Bar construction. The conditions which were overcome in erecting this house were most difficult. The space was very limited and from necessity the house had to be located on an exceedingly steep grade, which made the usual greenhouse treatment out of the question.

The house is 60 feet long and divided into two compartments. Being very close to the residence, it must of course be more or less ornate.

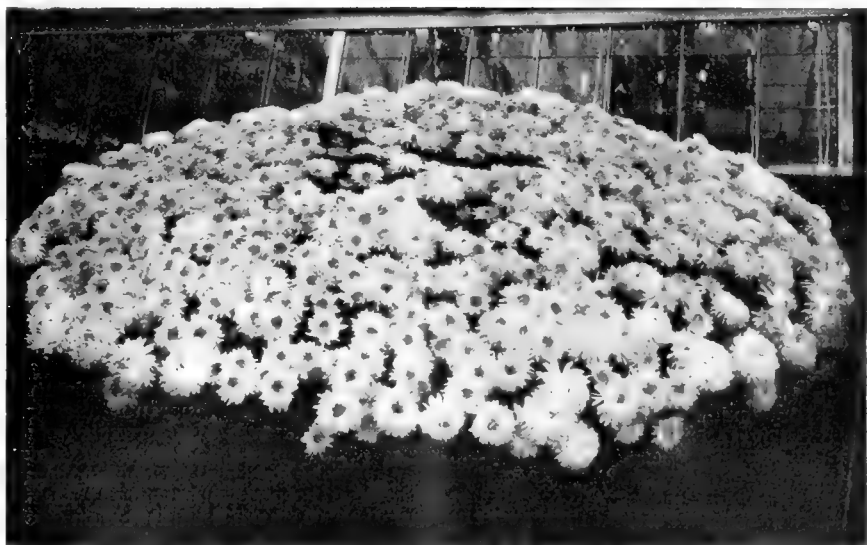
The lower part is used for a potting room, and the greenhouse is reached by a spiral stairway, which has been handled very effectively.

The gardener's cottage is just at the left, in the cellar of which is the boiler which heats both it and the greenhouse.

You will note how the architect has taken advantage of the little notes of accent which the side wall ventilation gives. In effect it is almost a continuation of the feeling of the balustrade at the front of the greenhouse.

Le Brun, architect of the famous 48-story Metropolitan tower, who designed the residence, also designed the greenhouse.

## Specimen Chrysanthemum Miss Clay Frick



Grown by W. H. Waite, Greystone, Yonkers, N. Y.

# NEWS OF THE CLUBS AND SOCIETIES

## GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The meeting for election of officers for this club, on the evening of Tuesday, December 15, was, as was expected, a "rouser." There were no less than 150 members in attendance and much interest was manifested.

The first thing that transpired after the reading of the secretary's report was the withdrawal of their names from the ballot of Eber Holmes and Kenneth Finlayson for president and vice-president, respectively, and this was approved by vote rather weakly. Balloting for officers was as usual on the "Australian" method and a check list was used so that it consumed much time which was filled in with brief remarks by ex-presidents P. Welch, W. J. Stewart and W. H. Elliott and various interesting queries and replies. Marguerite foliage disfigured by the attack of a leaf miner was shown and one member said that he had tried the application of Nicotum juice for this trouble with considerable success, the juice seeming to soak in through the tissue of the leaf. Azalea foliage infected with galls was shown but nobody could give any information on this singular trouble.

The tellers reported the result of the balloting as follows:

For president, William Downs 90, F. H. Palmer 57; vice-president, J. W. Duncan 74, W. J. Kennedy 66; secretary, W. N. Craig and treasurer Edward Hatch reelected by unanimous vote. For executive committee Robert Cameron and Peter Fisher with one hundred votes each, J. K. M. L. Farquhar with 78 and Peter M. Miller with 86 were the winners.

The fortunate ones were then severally escorted to chairs on the platform where they presented an imposing appearance, the fact that those present (Mr. Hatch being in Florida) comprised five Scotchmen and two Englishmen being jocularly commented upon. Each was called upon in turn to stand up and say a few words. President-elect Downs expressed his thankfulness for the distinction and promised to do all possible to justify the confidence placed in him. He said he would know no party or clique and every member would stand on same ground during the coming year so far as in his power to so order. J. W. Duncan promised to work as vice-president for the furtherance of the interests of the club. Secretary Craig agreed to uphold the reputation of the organization and make members pay dues promptly. The executive committee, Messrs. Cameron (third term) Fisher, Farquhar and Miller all expressed their readiness to get into harness and work with a will for the glory of the cause and encouraging applause was given unstintedly to each.

On the exhibition table were some very fine exhibits. The list and the awards by the judges follow.

Peter Fisher, carnation Winona, light pink, and Viola Sinclair cerise, honorable mention to each. The former is well known, the latter not so well but fully deserving to be. M. A. Patten, carnations Sara Nicholson, crimson, and Genevieve white, both

fine; F. W. Fletcher, violet Baronne Rothschilds and Salvia Zurich; Willis E. Hamilton, chrysanthemum Belfast, laybreak pink in color; John F. Flood Co., mushrooms. All of the above were given a vote of thanks. Most admired of all was a brilliant collection of blooms of zonal pelargoniums from W. N. Craig which were given a well deserved report of cultural merit. Just as the meeting closed a box was received containing



WILLIAM DOWNS

William Downs, president-elect of the Gardeners' and Florists' Club of Boston was born in a hamlet of South Lincolnshire, England, in the year 1861. Early in life he went into gardening put-outs and after a good all round experience and training in various places finally worked him self up to be foreman on a large estate in Grantham. He went thence to Balafrath Barry, County Meath, Ireland, as foreman, and on the death of the owner, returned to England and took a position with that redoubtable old gardener, Richard Gilbert of Bughley, foreman in fruit and forcing houses. From there he came to America and managed some orange properties in Florida for four or five years, but the hot climate not agreeing, he came to Massachusetts, and, resuming his old profession, spent two years with E. O. Orp at South Lancaster, and then took his present position in charge of the Dunnequ estate at Chestnut Hill, Mass., where for twelve years he has demonstrated high abilities as an expert gardener, and made a host of friends among his townsmen and in the horticultural profession. He has been vice-president of the Gardeners' and Florists' Club during the past year, and his elevation to the presidency of this progressive organization is a recognition well merited.

flowers of four seedling carnations from E. B. Beals, unfortunately too late to be shown.

## AMERICAN CARNATION SOCIETY.

### Carnation Registered.

By Mrs. Mary S. Fleming, Steelmanville, N. J. Mrs. Mary S. Fleming. Color bright pink, parentage a two year seedling and Mrs. Francis Joost, size of flower 2 1/2 to 3 inches. Grown in heavy or light soil. Good stems and the best keeper we have had. Grows best at 60, have had it bloom from October until August 15th.

ALBERT M. HERR.

Lancaster, Pa.

## MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

The annual election of officers for the ensuing year took place on Dec. 9th with the following results:

President, Harold B. Vyse; vice-president, Thomas Stokes; treasurer, Wm. Duckham; secretary, Edw. Reagan; all of Morristown, N. J. Executive committee, Arthur Herrington, Madison; Wm. G. Bagley, Chatham; David Falconer, Chatham; Chas. H. Totty, Madison; C. J. W. Ottolander, Springfield; Percy Herbert, Madison; Andrew R. Kennedy, Madison; Wm. Muhlmichel, Madison; Ernest E. Wild, Morristown; Robt. Tyson, Madison; Robt. M. Schultz, Madison; Joseph A. Manda, Orange.

The election was entirely harmonious, as has always been the custom. Nominations were in order at this meeting as well as the last one so that all might have their say. Seven of the executive committee are commercial growers so they have a small balance of power in their favor. The officers-elect made, each of them, their speech of acceptance, promising to do their best. A rising vote of thanks was tendered the retiring officers.

President Herbert responded feelingly to this evidence of confidence and thanked members and officers for their loyal support during the year. Although this is our 13th year and our "smoker" occurs the 13th of next month, we haven't been hoodooed as yet. Our society is stronger, numerically than ever and our patrons have taken a greater interest in us this year than ever before. We had as good a show as we ever had and a larger attendance. Our finances were never in so good a shape. Our members are most social and harmonious, and to cap it all, we are preparing to have the best smoker we ever had, and we already have had 12 events of that kind. Now if any of our sister societies can tell us something better, we shall be glad to hear it.

The committee of arrangements for the smoker is A. Herrington, C. H. Totty, Wm. Duckham and Robt. Schultz. They are the "Old Guard" and we expect yeoman service from them this time.

E. REAGAN.

## HORTICULTURAL SOCIETY OF CHICAGO.

The Lecture and Exhibition Schedule of this society is now ready. The lectures will be held in Fullerton Hall, Art Institute, the exhibitions in the Art Galleries. Exact dates will be announced in the bulletins. December: Exhibition of Christmas and house plants; lecture on the use of plants in interior home decorations. January: Exhibition of carnations; lecture on floral decorations. February: Exhibition of roses and orchids; lecture on orchids. March: Exhibition of Easter flowering plants; lecture on spring flowering bulbs. April: Exhibition of potted roses, hydrangeas, etc.; lecture on decorations of home grounds. May: Exhibition of violets, sweet peas, pansies, etc.; lecture on annuals. June: Penny show.



# Cut Flowers for Christmas



## ROSE SPECIAL

We offer good roses in lots of 200 or more

### Our Selection

of good varieties of the medium grades at

**\$6 00 per 100**

Order this special. You will find same extra good value.

**Cattleyas and Gardenias.** \$9.00 per dozen.

**Cypripediums.** \$14.00 per 100

**Lilies of the Valley** fancy, \$5.00; extra, \$4.00; medium, \$3.00 per 100

**Poinsettias.** \$25.00 to \$40.00 per 100.

**American Beauty Roses.** Specials, \$12 and \$15 per doz. Fancys, \$9.00 per doz. Extras, \$7.50 per doz. Firsts, \$6.00 per doz. Seconds, \$4.00 per doz. Thirds, \$1.25, \$1.50 and \$2.00 per doz

**Mrs. Jardine Roses.** Specials, \$30.00 per 100.

Fancys, 40.00

Extras, 25.00

Firsts, 15.00

Seconds, 10.00

*Also Mrs. Jardine is the finest pink rose for the winter season and is in magnificent form at present*

**Carnations:** *fine grade,* good varieties and good colors, \$2.00 and \$3.00 per 100; *firsts,* in good assortment, \$5.00 per 100; *fine variety*, \$15.00 per 100; *other red carnations,* \$10.00 and \$12.00 per 100; *English* and other fancy varieties, *specials,* \$8 and \$10.00 per 100.

## CARNATION SPECIAL

We offer good carnations in lots of 500 or more at

**\$5 00 per 100**

this is strictly

### Our Selection

of varieties but we include in the assortment some of the best kinds and guarantee

extra good quality for the money.

## ADIANTUM CROWEANUM

EXTRA CHOICE { **\$1.00** } The Best Value in Adiantum on the Market at Present.  
FRONDS { per 100 }



# S. S. PENNOCK-MEEHAN CO.

## "THE" WHOLESALE FLORISTS OF PHILADELPHIA

1603 to 1620 Ludlow St.

*Store Closes at NOON Christmas Day.*



## NEW YORK FLORISTS' CLUB.

Election of officers was the chief business on hand at the December meeting of the New York Florists' Club which was held on Monday evening, 14th inst., and a large attendance was present, the interest centering especially in the contests for president and treasurer. The result of the voting showed the following gentlemen to be the choice of the club for the various offices for the coming year:

President, E. V. Hallock; vice-president, Harry Turner; secretary, John Young, reelected by unanimous vote; treasurer, W. B. Rickards, Jr.; trustees, F. H. Traendly, Paul Daille-douze, John Scott and Robert Simpson. Previous to the voting, H. A. Bunyard for secretary, W. W. Burnham for vice-president and Patrick O'Mara and Alfred Zeller for trustees asked to have their names withdrawn from the ballots and permission was accordingly granted.

On the exhibition table were a number of fine exhibits, prominent among which were vases of superb flowers of White Killarney rose, brought by Mr. Donohoe in person from Waban Conservatories, Natick, Mass., and from F. R. Pierson Company, Tarrytown, N. Y. The judges awarded 86½ points and the committee will observe it growing at Mr. Pierson's place before making final judgment. A vase of seedling carnation "66" from E. L. Enggren, Aqueduct, L. I.; cerise in

color, got 85 points and a preliminary certificate. Votes of thanks were given Jacob Voght of New Rochelle for a Christmas tree support and to Moore-Livingston Co., Lansdowne, Pa., for their adjustable plant stand.

The interest and enthusiasm displayed at this meeting and the representative character of the men in attendance speaks well for the healthy



W. B. RICKARDS, JR.

vigor of this club, and president-elect Hallock can be depended upon to carry on the work and maintain the high character of the organization in a manner which will redound to his own credit and the best interests of the members.

## NEWPORT HORTICULTURAL SOCIETY.

The Newport Horticultural Society held its annual meeting Dec. 8th, when the following officers were elected for the ensuing year:

President, James Robertson; first vice-president, Samuel Speers; second vice-president, William G. Postings; treasurer, Andrew K. McMahon; recording secretary, Patrick F. Reynolds; financial secretary, Andrew S. Meikle; sergeant-at-arms, William F. Smith. Executive committee: John T. Allen, Bruce Butterson, Alexander McLellan, Stewart Ritchie, James Boyd, Robert Patterson, William J. Matson, Winfield S. Sisson, and all the above officers.

Much regret was expressed by the members that John T. Allen, the retiring president, would not accept the position for another year. He has been a very painstaking and efficient president.

D. J. Coughlin, the past recording secretary, has been quite sick for several weeks but we are pleased to learn that he is on the mend and we hope soon to see him around again.

At the above stated meeting James H. Cockcroft of Northport, L. I., had on exhibition a vase of his white seedling carnation Georgia, which was awarded a certificate of merit. Thomas Galvin of this city had on exhibition a plant of a pink seedling begonia of the Gloire de Lorraine type which was also awarded a certificate of merit.

The report of the treasurer showed the society to be in a very prosperous condition.

**American Beauties**  
**Teas**  
**Carnations**  
**Lily of the Valley**  
**Violets**  
**Orchids**  
**Gardenias**  
**Lilies**  
**Narcissus**  
**Hyacinths**  
**Smilax**  
**Asparagus, Etc.**

Phone 1664-1665 Mad. Sqr.

**ALEXANDER J. GUTTMAN**

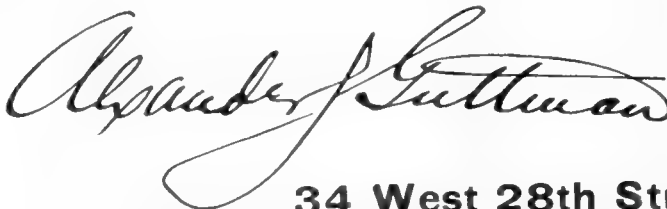
*The Wholesale Florist of N. Y.*

**Florists of the United States and Canada**

Gentlemen,—

You can order from us and rely on the best of everything in the line of Cut Flowers at the right prices. "Quantum sufficit."

I am, truly yours,



**34 West 28th Street**

**BAR HARBOR HORTICULTURAL SOCIETY.**

The Bar Harbor Horticultural Society's rooms were formally opened for the winter on the evening of Dec. 3rd at its regular business meeting for December, when its charter closed with a membership of about two hundred.

Practically every gardener in the vicinity has joined the society as well as many of the leading business men in the town, three of its ministers and most of the professional men, besides many summer residents.

Over one hundred members were present, including the president, George B. Dorr, who came down from Boston to preside at the meeting and be present at the opening of the rooms, in the arrangement of which for the Society's winter use he has taken the greatest personal interest, spending on it not a little work and time.

The rooms were beautifully decorated with great taste by a special committee consisting of Wm. T. Burton, John Renwick and Joseph Kirk. Very artistic garlands were skilfully made by a committee consisting of John Brown, Clifford Came and Kenneth McLean, assisted by others. Flowering and decorative plants were furnished by members of the society.

Secretary Chas. S. Shand made a few very appropriate remarks upon the aim and object of the society, emphasizing the seriousness of its purpose in the promotion of good gardening and scientific horticulture at Bar Harbor.

At the close of the meeting an orchestra provided by the musical committee, of which C. S. Shand was the chairman, was much enjoyed, while the inner man was most generously provided for by the social committee, over whose welcome to the members Mr. Edward Kirk presided most genially and effectively, assisted by Messrs. Stalford, Renwick, Came, Morris, Denay and Dow. Later in the evening speeches from the Rev. Stephen H. Green and Senator L. B. Dwyer were much enjoyed, their humor causing not a little merriment. A smoker and much pleasant talk together, with cards, checkers, chess, and other games

brought the evening to an end most pleasantly.

A well-prepared paper upon the winter protection of plants was read at the weekly meeting, Dec. 10th, by Wm. T. Burton, chairman of the committee on lectures and discussions, a recognized authority on this subject, which is one of vital interest to the gardeners here. It was well received and followed by much educational discussion by Messrs. Shand, Stalford, Styles, Renwick, Fillietaz and others.

A paper by Mr. Styles upon Tea and hybrid tea roses will be given Dec. 17th.

WILLIAM MILLER.

**LENOX HORTICULTURAL SOCIETY.**

The annual meeting of the Lenox Horticultural Society was held Saturday, Dec. 5th, and was largely attended. Letters were read from several of the judges at the recent exhibition, congratulating the members upon the magnificent display and questioning if the same exhibit could be duplicated outside of Lenox. The treasurer and secretary read their annual reports, which showed the society to be in a prosperous condition both financially and otherwise. The following were elected officers for the ensuing term: President, Allan Jenkins; vice-president, Ernest Marsh; treasurer, F. Heeremans; secretary, George H. Instone.

Before leaving the chair, President Jack thanked the members for their loyal support during his term, and assured them that although out of office, his interest in the society would not diminish, and trusted that the same good feeling would always exist among the members. He also dwelt at length upon the good work the society has done, to further the interest of horticulture, and the high esteem in which the society was held. E. J. Norman, Erskine Park, was accorded a hearty vote of thanks for some exceptionally fine Flamingo carnations, the color being especially good. The newly-elected president, A. Jenkins, has lately been appointed superintendent on the S. P. Sholter estate.

GEORGE H. INSTONE, Sec'y

**GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.**

The semi-monthly meeting was held Monday, the 14th. The attendance was excellent. R. Vincent, Jr., gave an interesting talk on what he saw in Europe.

Mr. Vincent having been in England in the spring and early summer, the surprising quantity of hardy and half-hardy spring flowering material used by our cousins across the Atlantic attracted his particular attention.

The fact is that at many places where the family leave the home in the early summer to travel, spring bedding, as it is called, is made a special feature and almost everywhere Uncle John pays considerable attention to spring embellishment of the flower garden. Although they have a longer springtime than we have, where "winter lingers in the lap of spring" and we not infrequently pass with a bound from chilling frosts to midsummer heat, yet, nevertheless, there is abundant opportunity for improvement in our almost universal lack of floral adornment in the spring season.

It is not absolutely necessary that we have for so many months of the year so large a surface of stark, bare beds to look at, which might by a little skill be rendered beautiful, not, of course, by the garishness of sub-tropical gardening, albeit none the less delightful because the coloring is of a more subdued character.

Our gardeners' clubs and other organizations would do well to bring matters of this nature before their meetings occasionally and those who possess the knowledge might impart it to their less fortunate fellow craftsmen, thereby awakening an interest in those matters tending to break the monotony of a season of coleus and cannas to be followed by a much longer season of barrenness. Although sociability and good fellowship ought always to be a prominent feature at these gatherings of the clans, the elevation of the profession should be the predominating factor.

We Please Others



No Order Too Large  
No Order Too Small

We Can Please You



# Send Us Your Orders

and you will be pleased with the **QUALITY** of our **STOCK**, our **PRICES** and the **CAREFUL ATTENTION** given your orders.

Anything and everything  
in the line of cut flowers  
in season

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS

# Christmas Evergreens



Extra Fine Cut Boxwood Sprays

Princess Pine Evergreen \$16.00 per hundred lbs.

Laurel Festooning 5.00 and 6.00 per hundred yards

Princess Pine 6.00

Fancy Holly, Extra Fine Quality 5.00 per case

Laurel Wreaths, made up extra fine

Boxwood, Wreaths, made up extra fine 2.00 and 3.00 per dozen

5.00 and 9.00 per dozen

Holly Wreath, Extra Quality, covered both side

6.00 per dozen

Southern Wild Smilax

3.50 and 7.00 per case

Branch Laurel

50c per bundle

Dagger and Fancy Ferns, Extra Quality 1.50 per M

New Crop Brilliant Bronze and Green Galax

1.00 per M

Immortelles, all colors

2.50 per dozen

A large stock of Florists' Supplies on hand. When you place your order with us you can rest assured that it will be filled promptly, properly and to your satisfaction. We never disappoint, satisfaction guaranteed, orders filled at a moment's notice.

Telephone, Write or Telegraph. Tel. 2617, 2618 Main

## HENRY M. ROBINSON & CO.,

15 Province St. and 9 Chapman Place  
BOSTON, MASS.

### NEW JERSEY FLORICULTURAL SOCIETY.

The monthly meeting and annual election of this society took place on December 11. The topic for discussion was "How to Increase the Usefulness of the Society," opened by President Malcolm Mac Rorie. The organization of a Bowling Club was proposed by Joseph A. Manda. George Smith made the suggestion that it would be better to have something in which all might take part, that there was a form of parlor bowling, and also rubber quoits. Edwin Thomas would have refined vaudeville made up of talent in the society, framed upon the plan used in a neighboring church and which had proved attractive. The matter was finally referred to the essay committee.

A letter was read from James D. Cockcroft, offering carnation Georgia for the exhibition, received too late for action. The floral display consisted of vases of mixed carnations by William Reid, narcissus Paper White and Roman hyacinths by Mrs. Schneider, mixed roses by John Der- van and Cypripedium insigne Lagerae by Edwin Thomas. The latter the re-

cent new hybrid by Lager & Hurrell which only three persons at present possess and which is to the dark form of this genus what the Sanderæ is to the yellow variety. It was remarked that its estimation by John E. Lager was shown in the name given after his wife.

The election resulted in the following officers: President, Malcolm MacRorie, re-elected; vice-president, Edwin Thomas; secretary, John Der- van; treasurer, William Reid, re-elected, and an arbitration committee of A. T. Caparn, William Reid and John Hayes. J. B. D.

### ORCHIDS Freshly Imported

We offer a superb lot of *Cattleya gigas Sanderiana* in finest condition; also *C. Bogotensis*, *C. Schroderae*, *C. labiata*, *C. gigas Hardyana* type and *Miltonia vexillaria*

LAGER & HURRELL, Summit, N.J.

### ORCHIDS

Our latest importations have been, *Cattleya Chryso- toxa*, *Cattleya Gaskelliana*, *Cattleya Gigas*, (*Hardyana* district), *Phalaenopsis Amabilis* *Schilleriana* and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

CARRILLO & BALDWIN  
SECAUCUS, N. J.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

### IMPORTED ORCHIDS

Arrived in Superb Condition

*Vanda coerulea*, *Cattleya Trianae*,  
*Cattleya gigas Sanderiana*, *Cattleya*  
*Schroderae*, *Oncidium varicosum*.

JULIUS ROEHRS CO., Rutherford, N. J.

## ORCHIDS

Orchid Baskets and Peat  
Write for Prices

JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.

### ORCHIDS

We have some handsome early *Percivaliana* which we positively guarantee to bloom between now and Christmas, as the buds are visible on the sheath. No less than two new strong growths on each plant. The flowers will more than repay purchase of plant. Plants with 7 to 10 bulbs \$1.00 each; from 10 to 15 bulbs \$1.25

ORDONEZ BROS., Madison, N. J.



## FORCING GLADIOLUS

### Gladiolus Gandavensis Hybrids

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladioli are a good catch-crop and take up but little room. The following are the best for this purpose:

**America.** The flowers, which are of immense size, are of the most beautiful flesh-pink color, \$4.00 per 100; \$35.00 per 1000.

**Augusta.** The florists' best white Gladiolus. First size bulbs, 1 3/4 inches and up, \$2.00 per 100; \$18.00 per 1000. Bulbs 1 1/2 to 1 3/4 in. \$1.75 per 100; \$16.00 per 1000.

**Shakespeare.** White and rose. \$4.75 per 100; \$45.00 per 1000.

**Mav.** Pure white, flaked rosy crimson; the best forcer. Selected bulbs, \$1.75 per 100; \$15.00 per 1000.

**Branchleyensis (true).** Fiery scarlet. Selected bulbs, \$1.50 per 100; \$13.00 per 1000. First size bulbs, \$1.25 per 100; \$10.00 per 1000.

**Boddington's White and Light.** Extra selected bulbs, 1 3/4 in. and up, \$1.50 per 100; \$14.00 per 1000. Bulbs 1 1/2 to 1 3/4 in. \$1.25 per 100; \$10.00 per 1000.

**American Hybrids.** A mixture of the choicest varieties of Gladiolus in cultivation. \$1.00 per 100; \$9.00 per 1000.

**ARTHUR T. BODDINGTON**  
SEEDSMAN

342 West 14th Street, NEW YORK CITY

## GERANIUMS

Our stock is the largest and most complete in the country. We have an immense lot ready for shipment from 2 in. pots. We do not send out rooted cuttings. We have good standard sorts at \$2.00 per 100, \$18.50 per 1000 and up to newer varieties at 50c each.

We will send 1000 good plants, 50 each of 20 good varieties, our selection, single and double, for \$18.50 Cash. A splendid collection to stock up on.

### LOBELIA

**KATHLEEN MALLARD.** The new double blue Lobelia, nice stock from 2 inch pots, 50c per doz., \$2.00 per 100.

### HARDY CHRYSANTHEMUMS

We have been the acknowledged leaders in Hardy Chrysanthemums for the past 15 years, and are now preparing the best collection for next Spring that we have ever sent out. Send for List. Let us book your order early, \$2.00 per 100. Special Prices on Large Lots.

**R. VINCENT JR. & SONS CO., White Marsh, Md.**

### ASTER SEEDS—CROP OF 1908

#### A New Branching Aster, Smith's Peerless

This new variety originated with us three years ago. In offering this new Astor to the trade we have fully considered those now in commerce, having grown the branching varieties known as Semple's, Vick's, Henderson's Invincible and Carlson's.

Smith's Peerless surpasses them all in high grade blooms. Color pure white and so double that it is a very shy seeder. We have only limited quantity which will be sold in sealed packets only as follows: Retail pkts. (about 40 seeds) 25c. Trade pkts. (about 250 seeds) \$1.00. In the standard sorts we have the best in Early, Midseason and Late varieties. All our own grown and guarantee them unsurpassed in quality, purity and vitality. If interested write us.

Seed Jobbers requiring larger quantities will be quoted on application

**ELMER D. SMITH & CO., Successors to Nathan Smith & Son, Adrian, Mich.**

Established 40 Years

**Rose Hill Nurseries**

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

**A. N. PIERSON, Inc.**  
CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

**TO BUYERS**

Patronize our advertisers, they will treat you right

## NARCISSUS

(PAPER WHITE GRANDIFLORA)

First Class Bulbs, \$1 per 100; \$8.00 per 1000

**THE DINGEE & CONARD CO.**

WEST GROVE, - - PA.

**Gladioli** fine named sorts; colors, seedlings and mixtures.

**Iris Pallida Dalmatica**, German and Japan Iris, Madeira Vines, Cinnamon Vines, Hyacinthus candicans, Spotted Callas.

Send for Price List.

**E. S. MILLER,**  
Wading River. Long Island, N. Y.

## AMERICA

The finest pink Gladiolus. Strong, extra size bulbs for forcing

\$5.00 per 100

**THOMAS J. OBERLIN**  
SINKING SPRING, - - PA.

## DAHLIAS.

Now is the time to place your order for bulbs which will insure you getting named varieties in any quantity; prompt delivery.

**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N. J.

**The Northboro Dahlia and Gladiolus Gardens**

**Offer for Spring 1909**

300 selected varieties of Dahlias and one and one half million large-flowering Gladioli in mixtures, in lots to suit. Send list of your wants. Catalogue free.

**J. L. MOORE, Northboro, Mass.**

## PEACOCK'S NEW DAHLIAS

SEND FOR LIST

**PEACOCK DAHLIA FARMS**  
Williamstown Junction, N. J.

**PALMS AND FERNS**  
DECORATIVE PLANTS

**JOHN SCOTT**

Rutland Road and E. 45th St.  
Tel. 2890 Bedford BROOKLYN, N. Y.

**NEP. WHITMANI**

2 1/4 in., \$5.00 per 100

**NEP. WHITMANI**

3 1/2 in., \$25.00 per 100

**BOSTON FERNS**

2 1/4 in., \$3.00 per 100

**H. H. BARROWS & SON, Whitman, Mass.**

## FERNS

In fine assortment, good bushy stock, 2 1/4 in. \$3.00 per 100. Kentias for centers, 10c. each. Boston, Scotti and Whitmanil ferns, 6 in. 40c.; 4 in. 15c. Kentia Belmoreana, 5 in. 50c., 75c. each.

**H. WESTON, HEMPSTEAD, N. Y.**

**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
LILIES  
PLANTS  
BAMBOO STAKES

# New Rose **White Killarney**

Come and see White Killarney growing at our Scarborough houses, and you will say at once, as every one does who has seen it, it is

## The Best White Rose

they have ever seen. You need it if you want to be up to the times, and it will pay you better than any other white rose that you can plant. You will regret it if you do not plant it this year, and you will not regret it if you do.

Big lots are being booked. Get your order in early. Send us order at once, while you think of it. Get early stock. It will not cost you any more to order to-day, while you think of it, than it will two months from now. Be the early bird that catches the worm.

Strong young plants, 2 1/4-inch pots, own-root, ready for delivery beginning February 15th, 1909. \$30.00 per 100; 250 for \$70.00; 500 for \$125.00; 1000 for \$250.00. Grafted plants, ready for delivery beginning March 1st, 1909, \$5.00 per 100 additional.

## MY MARYLAND

This new rose, which was introduced last season in a limited way, has proved to be one of the best roses ever introduced. Every one is enthusiastic in regard to its merits, and it will be planted very largely by the largest, most progressive and most up-to-date growers, who have already placed large orders for it.

It is a strong, healthy, and vigorous grower, producing long stems and long pointed buds, exquisitely fragrant. The color is a soft salmon-pink. This is a rose that we can recommend in the highest terms, as we are sure it will prove very, very satisfactory. It is a welcome addition to our limited list of really first-class varieties for indoor culture; and it is not only a fine midwinter rose, but is also unusually good during the summer months.

Strong plants, 2 1/4-inch pots own-roots, \$10.00 per 100, \$90.00 per 1000.

Grafted plants. \$10.00 per 100, \$150.00 per 1,000.

**F. R. PIERSON, Tarrytown-on-Hudson, NEW YORK.**

## Prepare For Christmas!!! Open Your Eyes!!!

Biggest cut in Araucarias the world has ever seen. Just think!! CUT THE PRICE IN HALF, so low as to allow the entrance of this noble Evergreen Decorative Plant to be the welcome guest of every household at Christmas. The Trade will be astounded, whisper and say "It is impossible; Godfrey Aschmann must have lost his reason."

**ARAUCARIA EXCELSA**, 5-5 1/2-in. pots, 3-year old, 4 tiers, 15 to 17 in. high, usual price, \$1.00. Look! Now only 50c.  
**ARAUCARIA EXCELSA**, 5 1/2-in. pots, 3-year-old, 4 to 5 tiers, 17 to 20 in. high, usual price, \$1.25. Look! Now only 60c.  
**ARAUCARIA EXCELSA**, 6-in. pots, 4-year-old, 5 to 6 tiers, 20 to 24 in. high, usual price, \$1.50. Look! Now only 75c.  
**ARAUCARIA EXCELSA**, 6-in. pots, 4 to 5-year-old, 5 to 6 tiers, 24 to 26 in. high, usual price \$2.00. Look! Now only \$1.00.  
**ARAUCARIA EXCELSA**, 6-in. pots, 4 to 5-year-old, 5 to 6 tiers, extra strong, usual price, \$2.50. Look! Now only \$1.25.  
**ARAUCARIA ROBUSTA COMPACTA**, 3 to 4-year-old, 4 tiers, 18 to 20 in. high, same in width, usual price, \$3.00. Look! Now only \$1.50.  
**ARAUCARIA ROBUSTA COMPACTA**, 4-year-old, 4 to 5 tiers, 25 to 27 in. high, same in width, usual price, \$3.50. Look! Now only \$1.75.  
**ARAUCARIA ROBUSTA COMPACTA**, specimen plants, 5-year-old, 5 to 6 tiers, 27 to 30 in. high, same in width, usual price, \$4.00. Look! Now only \$2.00.  
**ARAUCARIA EXCELSA GLAUCA**, 4-year-old, 4 tiers, 20 in. high, same in width, usual price, \$2.50. Look! Now only \$1.25.  
**ARAUCARIA EXCELSA GLAUCA**, 4 to 5-year-old, 5 tiers, 20 to 25 in. high, same in width, usual price, \$3.00. Look! Now only \$1.50.  
**ARAUCARIA EXCELSA GLAUCA**, 5-year-old, 6 tiers, 25 to 30 in. high, same in width, usual price, \$4.00 to \$5.00. Look! Now only \$1.75 to \$2.00.

**SPECIMEN GLAUCA**, 40-45 in. high, \$2.50.

**KENTIA Belmoreana**, 5 1/4 to 5 1/2-in. pots, 25 to 30 in. high, 50c., 60c. to 75c.; 4-in. pots, 20 to 22 in. high, 35c.

**KENTIA Forsteriana**, 6 to 7-in. pots, 36 in. high, \$2.00 each; 6-in. pots, 25 to 30 in. high, \$1.00 to \$1.50 each; 6-in. pots, 20 to 25 in. high, 75c.; 5 to 5 1/2-in., 50c.

Of **BOSTON FERNS** we have a house full; 5 1/2-in. 40c.; 6-in. 50c.; 6-in., very large, 60c.; 7-in. 75c. to \$1.00.

**Scottii Fern** 5-in. 35c.; 5 1/2-in. 40c.; 6-in. 50c.; 7-in. 75c. to \$1.00 each, very large.

**Whitmani Ferns** in pans, 8-in., 3 large plants in a pan, 75c. per pan; 9-in. pans at \$1.50, as big as a wash tub; 7-in. pots, as big as a bushel basket, \$1.00 to \$1.25.

**Whitmani Ferns**, 6-in. 50c. to 75c., hard to beat. We have a house full of them in excellent shape. Never so fine and so big as this year.

**WILSONI FERNS**, in 6-in. pans, 30c.; 5-in. pots, 25c.

### Primula Chinensis

Everybody looks for Chinese Primroses at Christmas. You know this from your own experience.

We have a big middle bench full, in fine condition, partly in bud and bloom now, and will be in full bloom for Christmas and the holidays.

We have the best John F. Rupp improved strain. Price, per dozen, 5 1/4, 5 1/2 to 6-in. pots, \$2.50 to \$3.00.

**Primula Obconica**, 6-in. pots, full of flowers and buds, 25c.

**REMEMBER WE ARE ALSO HEAD-QUARTERS FOR THIS SO MUCH ADMIRE CHRISTMAS NOVELTY: BEGONIA GLOIRE DE LORRAINE.**

In the past 5 years we made a special study of this plant, and under our special treatment we have obtained such results that we are now able to offer to our customers the *Begonia Gloire de Lorraine* in a more improved condition. The color is a deep rosy one, and the plants will stand well in headed or cold frames. Plants are partly in bloom now, and will be in their full glory for Christmas and New Year. The flowers will keep in bloom until February or March, and will stand shipping well. Price: 5 1/2 to large 6-in. 50c. to 75c.; 6 1/4-in. extra large, \$1.00; 7-in. \$1.25 to \$1.50.

All nicely staked up with three green stakes, wrapped in tissue paper when packed for shipment. Shipped either in their original pots or paper pots, just as customers desire. Please advise when ordering.

**JERUSALEM CHERRIES** or *Solanum*, full of berries, 6-in. pots, 25c., 35c., 50c. each.

**FICUS Elastica**, (Rubbers), 5-5 1/2 in. pots, Belgium and home-grown, 25c., 35c.

**Arca Lutescens**, 4-in. pots, made up with 2 plants in a pot, 25c. per pot.

**AZALEAS**, 4 best varieties, in bloom for Christmas, 75c., \$1.00, \$1.25, \$1.50, \$2.00.

Cash with order please.

All goods must travel at customer's risk. Mention whether desired in or out of pot.

**GODFREY ASCHMANN, - 1012 W. Ontario Street, Philadelphia, Pa.**  
 Importer, Wholesale Grower and Shipper of Pot Plants

## Seed Trade

At the meeting of the Wholesale Seedsmen's League in New York, Dec. 3, Messrs. Wood, Willard and Stokes were appointed a committee to observe and report on any proposed further legislation in Congress upon the subject of "Pure Seeds." A telegram was sent as follows to F. W. Bolgiano, who was at the time in Washington representing the American Seed Trade Association.

"Mr. F. W. Bolgiano, Washington, D. C.:  
"Dear Sir, Kindly file with the Secretary of the Ways and Means Committee the following:

"Hon. Serebo E. Payne, Chairman Ways and Means Committee, House of Representatives, Washington, D. C.

"The Wholesale Seedsmen's League by its Directors have today unanimously adopted the following:

"Resolved, That we heartily approve and endorse the American Seed Trade Association's resolutions and schedule for specific duties on Seeds and Bulbs, dated December second, and filed this third day of December with your honorable Committee.

Robert Buist, Philadelphia; W. Atlee Burper, Philadelphia; S. F. Willard, of Conestock, Ferre & Co., Wethersfield, Conn.; John L. Hunt, of Jerome B. Rice Seed Co., Cambridge, New York; Henry W. Wood, of T. W. Wood & Sons, Richmond, Va.; F. W. Bruggerhof, and E. E. Bruggerhof, of J. M. Thorburn & Co., New York City; Charles H. Breck, of Joseph Breck & Sons Corporation, Boston, Mass.; Bunnet Landreth and S. Phillips Landreth, of D. Landreth Seed Co., Bristol, Pa.

F. W. BRUGGERHOF,  
President;  
BURNET LANDRETH,  
Secretary.

The telegram was accepted and filed by the Congressional Committee before three o'clock, on the 3d, and will be printed in connection with the representations of the Seed Trade Association.

Mr. Breck prepared a very full and satisfactory report from the Manager of the Credit Bureau of the Seedsmen's League. This report and its recommendations so impressed the Board that a Committee was appointed to confer with the Manager of the Credit Bureau as to the practicability of greatly extending its usefulness to the Seed Trade in general. This Committee consisted of Messrs. Breck, Burpee and Wood.

The subject of a rectification of the suggested wholesale values of seeds adopted the 24th of September was then taken up, and changes were made as follows:

On peas, 8 advances and 4 reductions; bush beans, 2 advances; pole beans, 4 advances and 1 reduction; beet, 1 advance; cucumber, 7 advances and 1 reduction; egg plant, 2 advances, tomatoes, 1 advance.

R. & J. Farquhar & Co. have leased the entire four-story building, No. 8 and 9 South Market street, Boston, adjoining the one they are now occupying at No. 6 and 7. When the two stores on the street floor are thrown into one and other contemplated improvements completed, the establishment will be the finest of its kind in New England.

Chicago, Ill.—John. N. and James Sluis have started in the seed business at 614 West 63rd street under the firm name of Sluis Seed Store.

## NEW YORK AGRICULTURAL EXPERIMENT STATION.

Bulletin No. 299.

A factor of predominating importance in fruit culture is the weather at blossoming time. As records given in Bulletin 299 of the Station at Geneva show, in 13 years out of the 25 between 1881 to 1905, unfavorable weather during mid-May seriously affected fruit yields. Little can be done to control such injury after fruit plantations have been established, but in deciding upon locations and varieties to be set careful consideration should be given to weather conditions, since many factors, both general and local, influence frosts, rain storms and winds. The bulletin mentioned above discusses the various climatic features which make up "weather," the manner and extent of injury to fruits due to each, methods of preventing such injury and the resistance of the different species and varieties of fruit to climatic stresses. Topographic and weather records are given for 100 localities in the State; so that the prospective orchardist can study intelligently the problem of locating his plantation.

The bulletin, like others of the Station, will be sent free to those who write to the Director, at Geneva, for it.

Bulletin No. 302.

Dipping nursery stock in lime-sulphur wash or other insecticides has recently been much advocated as a substitute for fumigation with hydrocyanic acid gas. The Station at Geneva finds, however, that this treatment, if used at all, must be handled with care to secure scale destruction without injuring the trees. With the sulphur wash, exposure of the trees for too long a time or at too high temperature resulted in injury; while with any of the materials used, exposure of the roots to the mixture resulted in serious injury to the stock. For nurserymen, the Station still recommends fumigation as most effective and least liable to injury; and would advise orchardists to use the lime-sulphur as a spray after the trees are set, rather than as a dip when they are received.

Those interested may secure the Bulletin discussing the subject, No. 302, by writing to the Station for it.

Bulletin No. 304.

In good time for use in careful winter consideration of fertilizer needs, the annual Inspection Bulletin of this State is now being distributed by the Station at Geneva. Every fertilizer dealer and user should possess and profit by this Bulletin; so if you belong in these classes and are not on the Station mailing list, drop the Director a card asking for Bulletin 304.

### PUBLICATIONS RECEIVED.

Departments of Parks of the City of Boston. Thirty-third Annual Report of the Board of Commissioners for year ending January 31, 1908. Contains the report of the various officials, that of Superintendent J. A. Pettigrew being especially interesting in the portion devoted to an account of the success attending the oil treatment of roads for dust suppression. The total cost of the reservations within the city limits (2,381.15 acres) for land and construction amounts to \$18,798,080.90.

The West Chicago Park Commission-

ers' thirty-ninth annual report shows that a vast amount of work has been done during the year covered by the report, (up to January 1, 1908) in the rehabilitation and improvement of the great West Chicago park system and that the financial condition is excellent with funds available for all requirements. The volume comprises 132 pages of which 30 are full page half-tone pictures showing scenes of great beauty in Humboldt, Garfield, Douglas, and minor parks, all under the charge of Jens Jensen as superintendent.

### PLANT IMPORTS.

Entered at New York, December 2d to December 15th, 1908:

From Rotterdam: H. F. Darrow, 75 cs. plants, 4 cs. bulbs, 22 bgs. seed; Peter Henderson & Co., 2 cs. bulbs; McHutchison & Co., 25 cs. plants; Maltus & Ware, 292 cs. trees and shrubs, 50 cs. bulbs, 12 bgs. seed; P. Ouwkerk, 40 cs. trees; Julius Roehrs Co., 60 cs. shrubs; Stumpp & Walter Co., 2 cs. plants; J. M. Thorburn & Co., 2 cs. bulbs, 36 bgs. seed; Vaughan's Seed Store, 11 cs. trees; Sundry Forwarders, 7 cs. plants, 7 cs. trees, 7 cs. bulbs, 13 cs. flower roots, 107 bgs. garden seed.

From Antwerp: H. Bayersdorfer & Co., 7 cs. dried plants; Maltus & Ware, 4 cs. plants.

From Germany: H. F. Darrow, 274 cs. lily of the valley pips; McHutchison & Co., 469 cs. do.; Maltus & Ware, 109 cs. do., 1 cs. flower seed; Chas. F. Meyer, 430 cs. lily of the valley pips; F. R. Pierson & Co., 125 cs. do.; August Rolker & Sons, 65 cs. do.; S. Stern, 32 cs. do.; Ralph M. Ward & Co., 10 cs. do.; Peter Henderson & Co., 45 bgs. seed; T. C. Pollock, 122 cs. do.; Anton Schultheis, 1 cs. plants; Sundry Forwarders, 462 cs. lily of the valley pips.

Via Havre: H. F. Darrow, 339 pgs. seed; August Rolker & Sons, 34 cs. plants; Sundry Forwarders, 1003 pgs. seed.

Via London: H. F. Darrow, 24 bgs. seed.

Via Southampton: M. C. Hall, 59 crts. mistletoe; R. F. Lang, 4 cs. plants; McHutchison & Co., 8 cs. do.; Siegel, Cooper Co., 2 cs. do.; J. A. Simmons, 15 bbls. mistletoe; Sundry Forwarders, 3 cs. plants, 2 cs. trees.

From Glasgow: H. F. Darrow, 9 cs. trees; Perry, Ryer & Co., 12 pgs. plants.

# TOBACCO

## STEMS—STRONG KIND

### 100 lb. bale \$1.25

## W. ELLIOTT & SONS

### 42 VESEY STREET, NEW YORK.

## SHEEP MANURE

### Pulverized. Free from all Adulteration

### In Bag, \$18.00 per Ton. Cash with Order

## ROBERT SIMPSON

### CLIFTON, N. J.

## CATALOGUES RECEIVED.

Barteldes Seed Co., Denver, Colo.—Seed catalogue for 1909.

D. Landreth Seed Company, Bristol, Pa.—125th Annual Catalogue of "Pedigree Seeds."

W. W. Barnard Co., Chicago, Ill.—Catalogue of Decorations for Yuletide, 1908. Printed in red and green.

Winterson's Seed Store, Chicago, Ill.—Folder and Wholesale Price List of Christmas Decorations, season of 1908. Printed in red and green and very attractive.

C. C. Morse & Co., San Francisco, Cal.—Annual Catalogue of Plants, Seeds, Trees, for 1909.—Stratagem peas on front cover page and sweet peas on back cover page are excellently done in colors. Typographically the book stands in first rank. It is embellished with fine half tone illustrations.

# Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**

6 & 7 South Market Street  
BOSTON, MASS.

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit

**CAULIFLOWERS  
CABBAGE SEED**

LILY OF THE VALLEY PIPS.

**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.

WE STILL HAVE IN HAND A FEW CASES OF  
**Lilium Longiflorum**

JAPAN CROWN

7-9 size. 70 per cent. Single Crown.  
Prices on Application.

**THOMAS J. GREY CO.**

32 So. Market St., BOSTON, MASS.

**QUALITY SEED BULBS  
PLANTS**  
SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
345 West 14th St., New York.

# MICHELL

**HEADQUARTERS FOR  
XMAS GREENS.**

Our Stock comprises the very choicest to be had.

## Hol y Wreaths

Extra Fine Grade..... Per 100 \$10.50  
Michell's "special" made up..... 12.00

## Holly (Loose)

The very choicest, well berried; will sell on sight, packed in cases 2 1/4 x 2, or 16 cubic feet.

**Extra Selected, well berried and foliage well colored.**

1 case..... \$ 5.00  
5 cases..... 22.50  
10 "..... 42.50

Per 100

## Laurel Wreathing

**Extra Heavy Michell's Special Made up**  
Per 25 yards lot..... 5c. per yard.  
" 100 " "..... 4 1/2 c. " "  
" 1000 " "..... 4 c. " "

## Mistletoe

Well berried and perfect foliage.

1/2 case..... \$3.00  
1/2 " "..... 5.50  
1 " (16 cubic ft.)..... 10.00

Write for Michell's Handy Flower Seed Order Sheet. Ready Now.

**HENRY F. MICHELL CO., 1018 Market St., Phila., Pa.**

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

ALSO

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

**LEONARD SEED CO.**

Growers and Wholesalers of Superior Garden Seeds  
**FLOWER SEEDS—ONION SETS . . . GET OUR PRICES**

79 East Kinzie Street

143 West Randolph Street

**CHICAGO**

*Thorburn's  
Bulbs*

**LILY OF THE VALLEY PIPS**

Just received our unexcelled pips.

We also offer at reduced prices  
Paper White Grandiflorus Narcissus  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Multiflorum, 7/9  
Double Hyacinths in separate colors.

ASK FOR PRICES.

**J. M. THORBURN & CO.**  
33 BARCLAY ST. through to 38 PARK PLACE  
NEW YORK

**SURPLUS CROP 1908**

**Sweet Pea and Onion Seed**

Stocks choice and prices reasonable  
Our Contract List for 1909 Crop is now Ready.

Correspondence Solicited

**A. J. PIETERS SEED CO.,**  
Hollister, Cal.

**BRIDGEMAN'S - SEED WAREHOUSE**

**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

**STOCK SEED**

FOR WINTER BLOOMING

Our strain of **Double Branching Stocks** is exceptionally true. About 90% Double Flowers.

In colors: 1/2 oz. .60 oz. .... \$4.00

Pure White 1/2 " .75 " ..... 5.00

**H. E. FISKE SEED CO.**

Faneuil Hall Square, BOSTON, MASS.

**Winter-flowering**

**SWEET PEA SEED**

All Colors Ask for List

**A. C. ZVOLANEK**

ORIGINATOR,

BOUND BROOK, N. J.

**READY**

For Prompt  
Shipment...

**FRENCH and DUTCH BULBS**

Catalogues mailed free on application

**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.

Look through the Buyers' Directory  
and Ready Reference Guide. You  
will find some good offers there also.

## To Florists Everywhere

Orders for Cut Flowers and Floral Decorations to be delivered anywhere in the Greater New York, may be placed with us with the certainty that your customers will be satisfied.

In getting out of the line of mail such orders to us are free, and they will be delivered promptly and as carefully as though you had placed the order yourself. One-third discount will be allowed on all orders. This plan is available only to florists outside of the Greater New York.

## THE BLOSSOM

Bond and Livingston Sts.,  
BROOKLYN, N. Y.

C. C. TREPEL, Manager

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

232 Michigan Ave.  
CHICAGO

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET

Established 1873  
Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO  
WILLIAM L. ROCK  
FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any city within Missouri or Kansas.

## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## Of Interest to Retail Florists

There is little to note  
BALTIMORE in the condition of the  
flower market here.  
Weddings and funerals have used a  
fair share of cut flowers, although the  
Goddess of Hymen has felt the de-  
pressing influence of stringent finan-

STEAMER DEPARTURES	
<i>American.</i>	
St. Paul, N. Y.-S'hampton....	Dec. 26
New York, N. Y.-S'hampton....	Jan. 2
<i>Atlantic Transport.</i>	
Minneapolis, N. Y.-London....	Dec. 26
Massachusetts, N. Y.-London....	Jan. 2
<i>Cunard.</i>	
Campania, N. Y.-Liverpool....	Dec. 23
Lucania, N. Y.-Liverpool....	Dec. 30
<i>French Line.</i>	
La Provence, N. Y.-Havre....	Dec. 24
La Lorraine, N. Y.-Havre....	Dec. 31
<i>Hamburg-American.</i>	
Pretoria, N. Y.-Hamburg....	Dec. 23
Amerika, N. Y.-Hamburg....	Jan. 5
<i>Leyland.</i>	
Canadian, Boston-Liverpool....	Dec. 23
Devonian, Boston-Liverpool....	Dec. 30
<i>North German Lloyd.</i>	
Scharnhorst, N. Y.-Bremen....	Dec. 24
Barbarossa, N. Y.-Gibraltar....	Jan. 4
K. Wm. der Grosse, N. Y.-B'n....	Jan. 5
<i>White Star.</i>	
Teutonic, N. Y.-S'hampton....	Dec. 23
Baltic, N. Y.-Liverpool....	Dec. 24

cial conditions, causing quotations in  
the matrimonial market to fall a little  
below the average for the season. Ma-  
terial of all kinds is fair in quality,  
and in quantity is slightly in excess of  
the demand, violets alone being an ex-  
ception.

The holidays are near-  
ing and all are prepar-  
ing for the expected  
hustle. The shop windows and stores  
are being decorated with greens, fes-  
tooning and blooming plants. Every  
indication points toward a good trade.  
Holly is in good supply, well berried  
and green, also laurel and other decor-  
ative goods.

CHICAGO Chicago again finds her  
retail florists calling  
"Give us more plants."

Ten days before Christmas and the  
largest growers are sold out. The  
stock was elegant. azaleas and poin-  
settias, cyclamens and Gloire de Lor-  
raines, Christmas peppers and Jerusa-  
lem cherries all came in perfection  
from some of Chicago's expert growers.  
Orders came from far and wide, and  
only those who bought early could be  
supplied.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any  
part of the United States, Canada, and  
all principal cities of Europe. Orders  
transferred or intrusted by the trade to  
our selection for delivery on steamships  
or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 33th St. NEW YORK

Our Motto—The Golden Rule

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS

F. H. HOUGHTON

396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

NEW ENGLAND POINTS

THOS. F. CALVIN

124 Tremont St., Boston

## ATLANTA FLORAL CO.

41 Peachtree  
Street, ATLANTA, GEORGIA.



Counter sales show a **DETROIT** rapid falling off, which is an annual occurrence near holidays. Orders for receptions, etc., are coming in as usual. Everybody is busy getting ready for Xmas and everybody expects at least the same as last year, in fact signs are many which point for a better trade.

Azaleas and cyclamens are plentiful and in good shape; the same may also be said of poinsettias in pot or cut.

The Pittsburgh retail **PITTSBURGH** men admit an improvement in business. The shops are looking their best just now, all of them being filled with beautiful ferns, begonias, primulas and a general assortment of seasonable stock. Retailers all declare that they are going to cut out high-priced flowers and sell plants. But all the same it is safe to say that if they see an opportunity to sell a box of flowers on which the profit will be three times what it would be on the plants they will not be likely to force the plant sale very hard for the time being. There is plenty of room for the plants but the necessity for the cut flowers still exists and buyers will be in the market for them, however reluctantly.

**DANKER, Albany, N. Y.**

ORDERS FOR  
**Choice Flowers and  
Floral Emblems**

FILLED PROMPTLY

*Palmer's*

**Buffalo, N. Y.**

W J PALMER & SON, 30 Mai St.

The Original Telegraph Order Florist  
WILL DELIVER

**Christmas AND New Years Flowers**

to order in Boston and Vicinity. Usual Discount.

**J. NEWMAN & SONS, Inc.**  
EST. 1870 24 TREMONT ST., BOSTON

**TRANSFER**

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**

2 Beacon St., Boston.

Fine Design Work a Specialty

*Hoffman*  
59-61 **FLORIST**  
Massachusetts Ave.  
Commonwealth Ave.  
**BOSTON.**

**JACOB SCHULZ,** 044 Fourth Ave.,  
LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

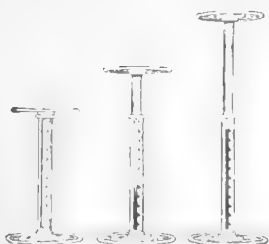
Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 084

**WELLESLEY COLLEGE**

Dana Hall, Walnut Hill and Rockridge Hall  
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3.



**THE NEW IDEA IN PLANT STANDS**

**The Moore-Livingston  
Graduating or Adjusting**

Saves one-half to two-thirds of cost over ordinary galvanized iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS

SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., **Lansdowne, Pa.**

#### CHRISTMAS PLANT SUPPLY IN NEW YORK.

Retailers all anticipate a very good holiday plant trade, and are buying accordingly. Flowering stock as it appears up to present time is hardly up to the standard of last year in quantity or quality, but everything in sight is being eagerly taken up. Poinsettias, contrary to earlier indications, will probably run scarce, as will also cyclamens and heather. Of Lorraine begonias, azaleas and ardesias there will be plenty for everybody. Plenty of primroses but quality only medium.

#### NEW RETAIL FLOWER STORES.

**Rockford, Ill.**—M. C. Sadewater, 322 East State St.

**Denver, Colo.**—L. A. Kintzele, 5249 West 38th Ave.

**Boston, Mass.**—Wm. T. Good & Co., Boylston street.

**New York, N. Y.**—McDonald & Austin, 3 West 30th St.

**Providence, R. I.**—John F. Wood, 167 Westminster St.

**Charlotte, N. C.**—The J. Van Lindley Flower Co., Guilford Hotel block.

**Waterbury, Conn.**—Olson & Lundén, 143 East Main St., E. S. Bavier, manager.

#### PERSONAL.

H. Hayashi, a florist of Alameda, Calif., was married on Dec. 2 to Miss Ken Mayeda.

J. F. Huss and Mrs. E. E. Hamilton were married at Hartford, Conn., on Wednesday, Dec. 9.

Robert Blackwood, formerly of Weld Gardens, Brookline, Mass., has taken a position as gardener with M. N. Eastman of Rochester, N. Y.

John Cummings of Norwood has taken a position with Peter Fisher of Ellis, Mass., Stanley Fisher, whom he succeeds, having located in the west.

Boston visitors: J. J. Karens, representing H. A. Dreer, Philadelphia; P. Ouwerkerk, New York; L. J. Reuter, Westerly, R. I.; E. A. Orpet, South Lancaster, Mass.

Chicago visitors: J. H. Newhall, of Aurora Greenhouse Co., Aurora, Ill.; Ed. Calvert, of Calvert & Son, Lake Forest, Ill.; A. C. Rott, of Thompson, Florist, Joliet, Ill.

W. W. Burnham, for many years in charge of the floral department of Bloomingdale's, New York, has accepted the position of general superintendent for Abraham & Strauss' department store, Brooklyn.

#### BUSINESS CHANGES.

**Providence, R. I.**—O. H. Williams & Sons Co., have taken the retail florist store formerly occupied by T. F. Keller on Mathewson street.

**Fargo, N. D.**—T. D. Smedley has purchased the business of the McClellan Floral Co., and will change the name to the Fargo Floral Co.

#### IN BANKRUPTCY.

**Hannibal, Mo.**—Thomas A. Culp has filed a petition in bankruptcy; liabilities, \$8108.82; \$6200 secured; resources, \$4075.

**New York City.**—D. J. McIntosh, florist, 1144 Broadway, was granted a discharge from bankruptcy by Judge Holt on December 7.

**Wakefield, R. I.**—Burnett & Moss, florists, have purchased a farm at Jacksonville, Vt.

#### THE BEST LETTERS

FOR **R** THOSE  
FLORISTS' MADE  
USE BY THE

**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

**BOSTON**

Inscriptions, Emblems, etc., Always in Stock

#### FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST., BOSTON

Telephone, Main 38.

# BEAUTIES RICHMOND, VALLEY GARDENIAS

Choice Stock for the Holidays

## THE LEO NIESSEN CO.

1209 Arch St., Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.

# ADVERTISE

There is a good Customer somewhere for every good thing you have to offer. *Horticulture* can help you to find him \* \* \*

# ADVERTISE

## POINSETTIAS

for Christmas. Write for Prices.

### W. E. McKISSICK & BROS.

WHOLESALE FLORISTS

1819-1621 RANSTEAD ST.  
PHILADELPHIA

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

### PETER REINBERG

WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

### E. F. WINTERSON CO.

45-47-49 WABASH AVE., CHICAGO

### POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received daily, and can fill your orders to your satisfaction. Complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, CAMELLIA LEAVES.

Write for quotations on Live Plantities.

In ordering goods please add "I saw it in HORTICULTURE."

# WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR  
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS  
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Christmas Prices		Dec. 14		Dec. 15		Dec. 17	
<b>ROSES</b>								
Am. Beauty, Fancy and Special..	75.00	to 100.00	30.00	to 42.00	25.00	to 35.00	25.00	to 35.00
"    Extra	50.00	to 75.00	25.00	to 30.00	15.00	to 20.00	15.00	to 20.00
"    No. 1.....	25.00	to 50.00	20.00	to 25.00	10.00	to 12.50	6.00	to 10.00
"    Lower grades.....	15.00	to 25.00	10.00	to 15.00	8.00	to 10.00	2.00	to 4.00
Bride, 'Maid, Fancy & Special.....	12.00	to 15.00	0.00	to 8.00	8.00	to 10.00	8.00	to 12.00
"    Lower grades.....	6.00	to 8.00	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00
Killarney, Fan. & Sp.....	15.00	to 20.00	8.00	to 12.00	10.00	to 15.00	12.00	to 16.00
"    Lower grades.....	10.00	to 15.00	4.00	to 8.00	4.00	to 6.00	2.00	to 8.00
Richmond, Fancy & Special.....	12.00	to 20.00	10.00	to 14.00	10.00	to 12.00	10.00	to 16.00
"    Lower grades.....	8.00	to 12.00	4.00	to 8.00	4.00	to 6.00	2.00	to 6.00
Chatenay.....	10.00	to 15.00	4.00	to 8.00	4.00	to 6.00	2.00	to 12.00
Golden Gate Ivory, etc.....	10.00	to 15.00	4.00	to 8.00	4.00	to 8.00	1.00	to 6.00
My Maryland.....	10.00	to 15.00	4.00	to 8.00	5.00	to 10.00	6.00	to 15.00
Queen Beatrix.....	10.00	to 15.00	4.00	to 8.00	3.00	to 8.00	2.00	to 12.00
Mrs. Mar. Field.....	10.00	to 25.00	12.00	to 25.00	10.00	to 15.00	10.00	to 15.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	5.00	to 8.00	3.00	to 5.00	3.00	to 4.00	2.00	to 4.00
Ordinary.....	4.00	to 5.00	2.00	to 3.00	1.50	to 2.00	1.00	to 1.50
<b>MISCELLANEOUS</b>								
Chrysanthemums, Fancy.....	20.00	to 35.00	20.00	to 25.00	20.00	to 25.00	12.00	to 15.00
"    Ordinary.....	15.00	to 20.00	12.00	to 15.00	5.00	to 10.00	4.00	to 10.00
Cattleyas.....	75.00	to 100.00	50.00	to 60.00	50.00	to 60.00	50.00	to 75.00
Lilies.....	12.00	to 15.00	12.50	to 15.00	10.00	to 12.50	8.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	1.00	to 3.00
Narciss., Paper White.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	1.00	to 2.00
Roman Hyac.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Sweet Peas.....	1.00	to 2.00	1.00	to 2.00	.75	to 1.00	.75	to 1.00
Gardenias.....	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Violets.....	1.50	to 2.00	1.00	to 2.00	1.00	to 1.50	.50	to 1.00
Adiantum.....	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	.75	to 1.00
Smilax.....	10.00	to 12.00	12.00	to 15.00	12.50	to 15.00	10.00	to 12.50
Asparagus Plumosus, strigosa.....	15.00	to 50.00	40.00	to 50.00	35.00	to 50.00	25.00	to 50.00
"    "    "    Spreng. (100 bchs.).....	10.00	to 60.00	15.00	to 25.00	35.00	to 50.00	15.00	to 25.00

### PITTSBURG NOTES.

Karl Klinke, of the McCallum Co., has also been under the weather lately. It is reported that Geo. Garland is about to become associated with the Finleyville Floral Co.

Wm. Baker, who has been in the hospital for some weeks suffering from typhoid fever, is convalescent.

Mr. Theo. Allen, of Lock No. 4, has leased his greenhouse to Mr. Linn, formerly connected with the Finleyville Floral Co.

There is an agitation among some of the members of the Floral Club for a spring flower show. Why not? If Chicago can what's the matter with Pittsburg?

The Pittsburg Cut Flower Co., were badly inconvenienced last Saturday through delay in receipt of their regular violet shipment, the train being reported snow bound.

### PHILADELPHIA NOTES.

The stockholders of the Robert Craig Co. announce that they have been paid 100 cents on the dollar with interest for their holdings, the origin of the said holdings being a transfer of their claims against the old firm of Robert Craig & Sons for double the amount in stock of the Robert Craig Co. This fortunate outcome is a result of a recent sale of part of the real estate of the company. We extend congratulations to Mr. Craig on his sagacity in this creditable business deal.

A. E. Wohlert, landscape architect and engineer, Merion, has purchased the Krueger place at Narberth, and will make his headquarters there, with a branch office at Merion. The new place will be improved in modern landscape style after removing the greenhouses, an attractive office built, and salable nursery stock planted in the rear.

# FOR CHRISTMAS

*Carnations, all varieties, American Beauties, Richmonds, Brides and Bridesmaids, Kaiserins and Carnots, Lily of the Valley, Violets, single and double, Easter and Calla Lilies, Narcissus and Roman Hyacinths, Sweet Peas, Stevia, Sprenger and Plumosos.*

We handle the flowers from the best growers, therefore by placing your orders with us you will get nothing but the best quality of goods. Reasonable prices, satisfaction guaranteed. All orders given our prompt and personal attention.

WRITE FOR PRICES

**HENRY M. ROBINSON & CO.**

Wholesale  
Commission  
Florists

15 Province St., 9 Chapman Pl., Boston Mass.  
Telephone 2617-2618 Main

## Flower Market Reports.

**BOSTON** Cut flower business is nearly at a standstill this week. Buying is only done under the incentive of a transient call for funeral or other sudden need. Retail florists in town and out of town are alike busy on plants and holiday greens, and they have no time for flowers which seem to be a side issue for time being. A few days more will undoubtedly change the aspect and nobody is worrying, as the supply on all lines promises to be moderate.

Trade for the past week **BUFFALO** was not as bright as it should have been, but every day the volume of business is growing. Select roses have not been plentiful, the demand growing stronger each day on Richmond, Beauty and other favorites, while excellent carnations and plenty of them were had, prices advancing but little. Narcissus, Roman hyacinths, lily of the valley, etc., are plentiful, also sweet peas are coming in in heavier quantity and selling rapidly. Harrisii and Japan lilies, stevia and other stock are in good supply.

**INDIANAPOLIS** Colder and more seasonable weather now prevails. This has appreciably reduced the output on flowers, and business is fairly good. Chrysanthemums are practically done, as far as choice in stock is concerned. Roses of all kinds are less abundant, prices averaging better than a week ago. Carnations are of fine quality, with a reasonably good demand. Violets are still scarce, but sell better than anything else. Stevia, Roman hyacinths, lily of the valley, paper whites, sweet peas, Easter lilies and callas are equal to demand. Pot plants are moving better at the present time. The outlook for a heavy supply of flowering plants for Christmas is good. Quantities of poinsettias are seen but have a limited sale. Plenty of green material is to be had at reasonable prices.

**PHILADELPHIA** There was a fair market last week with some slight advance in quotations. Stocks cleaned up reasonably well and a much better feeling now prevails than did at date of our last report. Mrs. Jardine rose is proving a surprise to the retailers and is now generally voted the best pink rose for the mid-winter season. Some magnificent blooms of White Killarney are arriving and these are eagerly snapped up by the best stores,

## WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

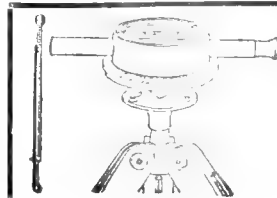
	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	Dec. 15		Christmas Prices		Dec. 15		Dec. 16	
<b>ROSES</b>								
Am. Beauty, Fan. and Sp.....	40.00	to 50.00	50.00	to 121.60	35.00	to 40.00	30.00	to 40.00
"    Extra.....	35.00	to 40.00	25.00	to 50.00	20.00	to 25.00	20.00	to 25.00
"    No. 1.....	20.00	to 25.00	18.00	to 25.00	15.00	to 20.00	15.00	to 20.00
"    Lower grades.....	8.00	to 15.00	10.00	to 15.00	6.00	to 8.00	10.00	to 15.00
"    Bride, 'Maid, F. & S.....	6.00	to 8.00	8.00	to 12.00	8.00	to 10.00	6.00	to 10.00
"    Low. gr.....	4.00	to 6.00	6.00	to 8.00	3.00	to 6.00	3.00	to 4.00
Killarney, Fan. & Sp.....	6.00	to 8.00	8.00	to 12.00	8.00	to 10.00	10.00	to 15.00
"    Lower grades.....	4.00	to 6.00	6.00	to 8.00	3.00	to 6.00	3.00	to 4.00
Richmond, Fancy & Special.....	8.00	to 10.00	10.00	to 18.00	10.00	to 15.00	12.00	to 15.00
"    Lower grades.....	4.00	to 6.00	6.00	to 10.00	4.00	to 6.00	8.00	to 10.00
Chatenay.....	6.00	to 8.00	6.00	to 18.00	8.00	to 10.00	6.00	to 12.00
Golden Gate, Ivory, etc.....	4.00	to 6.00	6.00	to 18.00	5.00	to 8.00	6.00	to 10.00
My Maryland.....	6.00	to 8.00	10.00	to 18.00	10.00	to 15.00	12.00	to 15.00
Queen Beatrix.....	6.00	to 8.00	10.00	to 18.00	10.00	to 15.00	12.00	to 15.00
Mrs. Mar. Field ..	6.00	to 8.00	10.00	to 18.00	10.00	to 15.00	12.00	to 15.00
<b>CARNATIONS</b>								
Fancy and Novelties.....	3.00	to 4.00	5.00	to 6.00	2.50	to 3.00	3.00	to 4.00
Ordinary.....	1.50	to 2.00	1.00	to 5.00	2.00	to 2.50	1.00	to 2.00
<b>MISCELLANEOUS</b>								
Chrysanthemums, Fancy.....	20.00	to 25.00	15.00	to 25.00	15.00	to 25.00	15.00	to 25.00
"    Ordinary.....	8.00	to 12.00	6.00	to 10.00	6.00	to 10.00	6.00	to 10.00
Cattleyas .....	50.00	to 60.00	40.00	to 60.00	60.00	to 75.00	75.00	to 100.00
Lilies.....	10.00	to 12.50	15.00	to 15.00	10.00	to 15.00	10.00	to 12.00
Lily of the Valley.....	4.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Narcis. Paper White.....	3.00	to 3.00	3.00	to 4.00	3.00	to 3.00	3.00	to 3.00
Roman Hya.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Sweet Peas.....	.75	to 1.00	1.00	to 1.50	.60	to 1.00	.75	to 1.25
Gardenias.....	1.00	to 1.50	2.00	to 2.50	1.00	to 1.25	.75	to 1.25
Violets.....	1.00	to 1.50	2.00	to 2.50	1.00	to 1.25	.75	to 1.25
Adiantum.....	1.00	to 1.00	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax.....	12.50	to 12.50	15.00	to 15.00	12.00	to 5.00	10.00	to 15.00
Asparagus Plumosus, strings.....	40.00	to 50.00	50.00	to 75.00	50.00	to 60.00	35.00	to 50.00
"    "    "    & Spreng (two bchs).....	25.00	to 25.00	20.00	to 30.00	25.00	to 50.00	15.00	to 50.00

although the price is necessarily rather steep as yet. The cooler weather has helped roses generally which are now coming in in fine shape. Carnations have improved and are now close to high water quality. Advance bookings for Christmas are confined mostly to reds. On an average reds command about one third more than other colors for the Christmas market. Cattleyas are in moderate supply, prices firm. Plenty of cypripediums. Violets from local points are coming in more freely. Sweet Peas are very good and find ready market. All other items are in good supply. Adiantum Croweanum is the best thing on the market in the adiantum line.

The general market conditions seem to have improved all around and prices on roses and carnations were advanced by Saturday night to near where they should be at this season. Special Beauties were much in evidence and lilies and Paper

White narcissi were in good supply. Taken all in all it was a good week for the wholesalers. The first shipments of Christmas trees are here.

The Illinois Central Railroad Company supplies its whole system with cut flowers and plants from its greenhouses at Champaign that are under the supervision of H. A. Bode. Beginning at New Orleans in April the work of planting out around the stations is carried on until the middle of June. Plants for the stations are sent directly to each city, but the cut flowers and small plants for the dining cars are arranged at Champaign and sent to Chicago for distribution. All shrubbery for the system is grown at the nursery at Flossmore under the supervision of G. B. Moulder who also has charge of laying out new work. The Illinois Central was one of the first roads to give special attention to the decoration of its station grounds and they consider it a paying investment.



### EVERYBODY KNOWS

Gardening cannot be properly done without the aid of an accurate level and instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are conceded by all who KNOW to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee back of every Level we sell, and satisfied users in every State in the Union heartily endorse every claim we make. Shipping weight 12 lbs. Description on request.

BOSTROM-BRADY MFG. CO., 139 Madison Avenue., ATLANTA, GA.

**FORD BROTHERS**

48 West 28th Street NEW YORK

**FINE ROSES FANCY CARNATIONS**

ALL THE QUALITY FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT****Wholesale Commission Florist,**  
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**All choice cut-flowers in season Send  
for quotations. Correspondence with  
shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

**Edward C. Horan**  
**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York

**JOHN YOUNG****WHOLESALE FLORIST**Finest American Beauties and  
Carnations

51 West 28 St. - NEW YORK

**FRANK MILLANG****Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Whole-  
sale Market Rates.**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOORD**

43 W. 28th Street, NEW YORK

Telephone, 2202 Madison Sq

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

Telephone No. 756  
Madison Square

New York

**MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephones 2260  
3561 Madison

NEW YORK

**JOHN I. RAYNOR****Wholesale Commission Florist****SELLING AGENT FOR  
LARGEST GROWERS**A full line of Choice Cut Flower Stock for all purposes. Comprises every variety  
grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

**Walter F. Sheridan***Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES  
ORCHIDS A SPECIALTY**THE HIGHEST  
GRADE OF**VALLEY**ALWAYS  
ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

**JAMES McMANUS**, Telephone 769 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.****CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only**

ROSES	Last Half of Week ending Dec. 12 1908		First Half of Week beginning Dec. 14 1908	
American Beauty, Fancy and Special.....	30.00	to 40.00	40.00	to 60.00
" " Extra.....	20.00	to 25.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	12.00	to 15.00
" " Lower Grades.....	1.00	to 6.00	1.00	to 8.00
Bride, 'Ald, Fancy and Special.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 5.00	3.00	to 5.00
Killarney, Fancy and Special.....	8.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 6.00	3.00	to 6.00
Richmond, Fancy and Special.....	8.00	to 12.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 6.00	3.00	to 6.00
Chatenay.....	3.00	to 15.00	3.00	to 15.00
My Maryland.....	3.00	to 15.00	4.00	to 20.00
Golden Gate, Ivory, etc.....	2.00	to 10.00	3.00	to 10.00

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
**PHONES. 1664-1665 MADISON SQUARE**  
**ENOUGH SAID**

**TRAENDLY & SCHENCK****Wholesale Florists****Furnish best stock at fair prices all the year round.**

Send for quotations on Fall Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.****CUT FLOWERS  
AT  
WHOLESALE****VIOLETS, CARNATIONS, ROSES  
ORCHIDS, CHRYSANTHEMUMS, LILIES**

Consignments Solicited. Shipments on Order, any Distance

39 West 28th Street,

J. J. JOHNS, Manager

NEW YORK



# HARDY CUT FERNS

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

WHOLESALE FLORISTS

54 West 28th St.  
NEW YORK

Telephone 3559 Madison Sq.

## A. L. YOUNG & CO.

RECEIVERS & SHIP-  
PERS OF CUT  
FLOWERS

CONSIGNMENTS SOLICITED

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Greater New York  
Florists' Association,  
Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

H. C. BERNING

Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties,  
and are dealers in  
Glassware, Decorative Greens and Florists' Requisites.

## THE KERVAN CO.

Wholesale Dealers and Shippers of

Decorative Evergreens

Ferns, Galax, Laurel, Fresh Cyans, Box-  
wood, Sphagnum and all Christmas Greens

Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

E. A. BEAVEN

Southern Wild Smilax,  
Log Mosses,

Natural and Perpetuated—at Wholesale

EVERGREEN, ALABAMA.

## SAMUEL A. WOODROW

WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.

53 West 30th Street, NEW YORK

Telephone 2083 Madison

## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000.....\$1.75; 50,000.....\$7.50. Sample free.

For sale by dealers

GEORGE COTSONAS & CO.

Wholesale and Retail Dealers in all kinds of

EVERGREENS

Fancy and Dagger Ferns

Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 2202 Mad. Sq.

New York

HENSHAW & FENRICH

WHOLESALE FLORISTS

44 West 28th St., 5583 Madison Sq. N. Y.

Night and Sunday Phone 5582 Madison Sq.

Our Specialty is Everything.

Consignments of the best stock solicited.  
The square deal guaranteed to all who trade here.

WHOLESALE  
COMMISSION

Open 6 a.m. Daily

## J. K. ALLEN

106 W. 28th St.

NEW YORK

Tel. 167 Madison Sq.

All Grades of Flowers to Suit All Buyers. Consignments Solicited.

NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Dec. 12 1908	First Half of Week beginning Dec. 14 1908
Carnations, Fancy and Novelties.....	3.00 to 4.00	4.00 to 6.00
"    Ordinary.....	.50 to 2.00	2.00 to 3.00
Chrysanthemums, Fancy.....	5.00 to 10.00	5.00 to 10.00
"    Ordinary.....	40.00 to 60.00	35.00 to 60.00
Cattleyas.....	10.00 to 15.00	10.00 to 12.00
Lilies.....	1.00 to 3.00	1.00 to 4.00
Lily of the Valley.....	1.00 to 2.00	1.00 to 2.00
Narcissus, Paper White.....	1.00 to 2.00	1.00 to 2.50
Roman Hyacinth.....	1.00 to 1.50	1.00 to 1.50
Sweet Peas.....	25.00 to 50.00	15.00 to 50.00
Gardenias.....	.50 to 1.00	.75 to 1.25
Violets.....	.50 to 1.00	.50 to 1.00
Adiantum.....	1.00 to 1.25	1.00 to 1.25
Crownatum.....	8.00 to 10.00	8.00 to 12.00
Smilax.....	20.00 to 35.00	15.00 to 35.00
Asparagus Plumosus, strings.....	15.00 to 25.00	12.00 to 25.00
"    & Spreng. (100 bchs.).....		

### NEW YORK MARKET.

Rose receipts are lighter than last week, with a consequent stiffening in prices. Beauties record the greatest gain. Carnations are not in large supply, but are more plentiful than roses; but the demand for everything is light and buyers resist every attempt to advance prices. The best grades of roses move the slowest, with the exception of Beauty. Carnations do not enjoy a ready sale, particularly if higher prices are demanded for them; Cattleyas hang fire somewhat. Lily of the valley is plentiful enough to supply all demands. Of narcissus, stevia, ferns, smilax and asparagus there is a plenty. Violets are quoted 25 per cent. higher than last week, with fewer coming in to the market.

Bowling Green, Ky.—The Mammoth Cave Nurseries is a new firm organized to do a wholesale business in specimen trees and plants, and gen-

eral landscape business. W. E. Campbell is the head of the concern.



WHOLESALE ONLY

### Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax, Green, 50c.; Leucothoe Sprays (green only) \$2.00; Ferns, Dagger and Fancy, 75c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO.,  
Banner Elk, N. C.



# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
Araucaria Excelsa.

For page see List of Advertisers.

## ASPARAGUS

The Geo. Witthold Co., 1657 Buckingham Palace, Chicago, Ill.

For page see List of Advertisers.

## ASPARAGUS AND RHUBARB FOR FORCING

Warten Shinn, Woodstown, N. J.  
For page see List of Advertisers.

## ASTER SEED

Elmer P. Smith & Co., Adrian, Mich.  
Smith's Peerless.

For page see List of Advertisers.

H. B. Williams, Baldwinville, N. Y.  
For page see List of Advertisers.

## AUCTION SALES

Clary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

## AUCUBAS

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.

Bamboo Sticks, Colored Green.  
For page see List of Advertisers.

## BAY TREES.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 1111 E. St., Chicago.  
For page see List of Advertisers.

## BLOOMING PLANTS FOR THE HOLIDAYS

Hinode Florist Co., Whitestone, L. I., N. Y.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-51 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.  
For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.  
For page see List of Advertisers.

H. F. Mitchell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

Lilium Longiflorum, Japan Grown.  
For page see List of Advertisers.

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Lilies, Freesias, Hyacinths, Narcissus, Tulips.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
Narcissus Paper White Grandiflora.

For page see List of Advertisers.

Kershaw, Kelghley, Eng.

## CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.  
Carnation, Pink Delight.

For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.

For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.

For page see List of Advertisers.

Charles Knopf Floral Co., Richmond, Ind.  
New Carnations.

East Sudbury Greenhouses, So. Sudbury, Mass.

Carnation Cuttings.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Carnations, Rooted Cuttings.

For page see List of Advertisers.

W. H. Shrevey, Reilly, Conn.  
Carnation Edward.

For page see List of Advertisers.

L. E. Marquisee Estate, Syracuse, N. Y.  
Carnation Marchioness.

For page see List of Advertisers.

## CHRISTMAS PLANTS

A. Schultheis, College Point, N. Y.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
Chrysanthemum Novelties.

For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.

For page see List of Advertisers.

William Swayne, Kennett Square, Pa.

For page see List of Advertisers.

Chrysanthemum Golden Glow from 2-14 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Mountfort, Oct. Frost, Crocus, Matchless, Lucey Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Peirce Bros., Waltham, Mass.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Stock plants of Early Snow Chrysanthemums, the best early white, 75c. per doz., \$5.00 per 100. James Crawshaw, 405 Plainfield St., Providence, R. I.

Chrysanthemums, good strong stock plants from solid bed. White—Polly Rose, Ivory, Clementine Tousey, Alice Roosevelt, Alice Byron, Yellow Monrovia, Cheltoni, Mrs. W. Duckham, October Sunshine, Pick Glory of Pacific, Dr. Enguehard, \$2.00 per 100, assorted as wanted in any quantity. Cash. Chas. Frost, Kenilworth, N. J.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.

For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.

For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.

For page see List of Advertisers.

Cyclamen, finest Giant strain, separate colors, strong, from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

## DAHLIAS

David Herbert & Son, Atco, N. J.

For page see List of Advertisers.

J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

Peacock Dahlia Farms, Williamstown Junction, N. J.

Dahlia Miss Virginia Maule.

For page see List of Advertisers.

East Bridgewater Dahlia Gardens wants your business. If you are looking for dahlias send to the Eastern Dahlia King, J. K. Alexander, East Bridgewater, Mass.

## DAISIES

Daisies, Yellow and White Paris and Queen Alexandra. Rooted Cuttings, \$1.00 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

Joseph Hancock Co., Wyncote, Pa.

For page see List of Advertisers.

# For List of Advertisers See Page 851

**DECORATIVE PLANTS—Continued**

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.  
Palms and Ferns.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**DRACAENAS**

The Geo. Wittbold Co.,  
1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

**ECONOMY BASKET**

Buxton & Allard, Nashua, N. H.  
For page see List of Advertisers.

**EVERGREENS**

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway,  
New York, N. Y.  
For page see List of Advertisers.

Evergreens. Send 25 cents in stamps  
for complete work on propagating and  
growing Evergreens. C. S. Harrison's  
Select Nursery, York, Neb.

**FERNS**

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitmanii.  
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.

Frank Oechslein, 2570-2606 W. Adams St.,  
Chicago.

Ferns for Dishes.

For page see List of Advertisers.  
Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham  
Palace, Chicago, Ill.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 W. Ontario St.,  
Philadelphia.

For page see List of Advertisers.  
Henry Weston, Hempstead, N. Y.

For page see List of Advertisers.

Whitmanii Ferns, 2½ in. \$3.00 per 100;  
6 in., \$3.50 and \$5.00 per doz. 7 in. \$9.00 and  
\$12.00 per doz. James Crawshaw, Providence, R. I.

**FERTILIZERS**

Pulverized Manure Co., 31 Union Stock  
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.  
For page see List of Advertisers.

Robert Simpson, Clifton, N. J.  
Sheep Manure.  
For page see List of Advertisers.

**FLORAL PHOTOGRAPHS**

Floral Photographs. Foley's, 226-228 1-2  
Bowery, New York.

**FLORISTS' LETTERS.**

Boston Florist Letter Co., 66 Pearl St.,  
Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. and  
9 Chapman Pl. Boston, Mass.  
For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St.,  
Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

Park Floral Co., Denver, Colo.  
For page see List of Advertisers.

Gude Bros. Co., 1214 F St.,  
Washington, D. C.  
For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave.,  
Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st  
St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham  
Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.

F. H. Houghton, 396 Boylston St.,  
Boston.

For page see List of Advertisers.

Edward MacMullin, 194 Boylston St.,  
Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave.,  
Boston.

For page see List of Advertisers.

J. Newinan & Sons, Inc., 24 Tremont St.,  
Boston.

For page see List of Advertisers.

Tailly, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeyer's Sons, Miami and Gratiot  
Aves., Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway,  
Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St.,  
Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326-28 Olive St.,  
St. Louis, Mo.

For page see List of Advertisers.

E. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.

David Clarke's Sons, 2139-2141 Broadway,  
New York.

For page see List of Advertisers.

Alex. McConcell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. & Greene  
Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 25th St., N. Y.  
For page see List of Advertisers.

M. Rowe, 1294 Broadway, New York.

For page see List of Advertisers.

The Blossom (C. C. Trepel, Mgr.),  
Bond and Livingston Sts., Brooklyn, N. Y.

For page see List of Advertisers.

Palmer's, Buffalo, N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWERING AND FOLIAGE PLANTS**

A. Schultheis, College Point, N. Y.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**FLOWER POTS**

W. H. Ernest, 28th and M Sts.,  
Washington, D. C.

For page see List of Advertisers.

A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.

Whilldin Pottery Co., Philadelphia.

Standard Flower Pots.

For page see List of Advertisers.

The Peters & Reed Pottery Co.,  
Red pots, seed pans, etc.  
Zanesville, O.

**FLOWER POT HANDLE AND HANGER**

W. C. Krick, Brooklyn, N. Y.  
For page see List of Advertisers.

**GALAX**

Michigan Cut Flower Co., 38 and 40 Broad-  
way, Detroit, Mich.

For page see List of Advertisers.

George Cotsonas & Co., 50 W. 28th St.,  
New York.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

The Kervan Co., 113 West 28th St., N. Y.  
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.

For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Place, Boston.

For page see List of Advertisers.

**GARDEN HOSE**

Jos. Kopesay, So. Bend, Ind.  
For page see List of Advertisers.

**GERANIUMS**

R. Vincent Jr. & Sons Co., White Marsh,  
Md.

New and Standard Varieties.

For page see List of Advertisers.

**GLADIOLI**

J. L. Moore, Northboro, Mass.

For page see List of Advertisers.

E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

Thomas J. Oberlin, Sinking Spring, Pa.  
Gladioli America.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St.,  
New York.

For page see List of Advertisers.

**GLASS**

Boston Plate & Window Glass Co., Boston.

For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury  
St., Boston.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sharp, Partridge & Co., 22d & Lumber St.,  
Chicago.

For page see List of Advertisers.

Greenhouse glass, lowest prices. John-  
ston Glass Co., Hartford City, Ind.

GLASS, High Grade, Double Thick Green-  
house Glass. Lord & Burnham, 1133 Broad-  
way, N. Y.

**GLAZING DEVICES**

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

For page see List of Advertisers.

GLAZING POINTS, Lord & Burnham  
Special Glazing Nails (Points). Lord &  
Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

Lord & Burnham Co.,

1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset,  
Boston.

For page see List of Advertisers.

King Construction Co., N. Tonawanda,  
New York.

For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St.,  
Chicago, Ill.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**GREENHOUSE BUILDING MATERIAL Continued**

Geo. B. Donne, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

**GREENHOUSE CONSTRUCTION, Semi**  
Iron Greenhouse, New Truss Houses and  
Iron Frame Houses. Lord & Burnham,  
1133 Broadway, N. Y.

J. A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

Wm. H. Lutton, West Side Avenue Sta.,  
Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.

The Weathered Co., New York City.  
For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, New York  
For page see List of Advertisers.

**GUTTERS**

**GUTTERS, Cast Iron Gutters, L. & B.**  
Improved V Shaped Gutter with drip gutter  
attachment. Lord & Burnham, 1133  
Broadway, N. Y.

**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS, MOSS AND GREENS**

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.

Michigan Cut Flower Exchange,  
38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

George Cotsonas & Co., 50 W. 23th St.,  
New York.  
For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.  
For page see List of Advertisers.

The Kervan Co., 113 W. 28th St., N. Y.  
For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

E. A. Beaven, Evergreen, Ala.  
For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co.,  
1133 Broadway, New York.  
For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.  
For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwkerk, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

The Geo. Whitford Co., 1657 Buckingham  
Palace, Chicago.  
For page see List of Advertisers.

**HOLIDAY PLANTS**

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset,  
Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.

Sunlight Double Glass Sash Co.,  
Louisville, Ky.

For page see List of Advertisers.

**HYDRANGEAS.**

Elm City Nursery Co., New Haven, Conn.  
Hydrangea Arborescens Grand. Alba.  
For page see List of Advertisers.

**INSECTICIDES.**

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St.,

New York.

Killdead Tobacco Dust.

For page see List of Advertisers.

Wilson Plannt Oil & Fertilizer Co., Chat-

ham, N. J.

Lauten Fumigator.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind  
that has so many imitators, has our guar-  
antee tag of satisfaction or money back,  
and "The Moon Trade Mark" on every bag.  
\$3.00 per 100 lbs. The H. A. Stoothoff Co.,  
Mount Vernon, N. Y., Makers and sellers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St.,  
New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann,

1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.  
Single and Made-Up Specimens.

For page see List of Advertisers.

Henry Weston, Hempstead, N. Y.

For page see List of Advertisers.

**KOSTER'S BLUE SPRUCE WANTED**

J. H. Troy, 24 E. 34th St., New York.  
For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk,  
North Carolina.

For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Bostrom-Brady Mfg. Co., 139 Madison Ave.,  
Atlanta, Ga.

For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Stormgade,  
Copenhagen, Denmark.

For page see List of Advertisers.

**MARGUERITES**

Queen Alexandra Marguerites from 2 in.  
pots, \$2.00 per 100. E. O. Perry, Berlin,  
Mass.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn  
made "Direct from Spores." Write for  
pamphlet. Anglo-American Spawn Co.,  
Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Cul-  
ture," John F. Flood Co., East St., Ded-  
ham, Mass.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.  
For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co.,  
Louisville, Ky.

For page see List of Advertisers.

**NURSERY STOCK**

John Waterer & Sons, Ltd.,  
American Nursery, Bagshot, England.  
For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St.,  
New York.

For page see List of Advertisers.

P. Ouwkerk, 216 Jane St., Weehawken  
Heights, N. J.

For page see List of Advertisers

D. J. Twomey, Dept. H, Geneva, N. Y.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New  
York, N. Y.

For page see List of Advertisers.

Manual of the Trees of North America,  
by C. S. Sargent, mailed to your address  
for \$6.00, by Horticulture Publishing Co.,  
11 Hamilton Place, Boston.

**TREES, SHRUBS, ROSES, EVER-**  
**GREENS, PEONIES, HARDY PLANTS.**  
ELLWANGER & BARRY, Rochester, N. Y.

**ONION SEED**

Federico C. Varella, Teneriffe, Canary Ida.  
Bernuda Onion Seed.

**ORANGE TREES**

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange,  
New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.  
For page see List of Advertisers.

Sander, St. Albans, England.  
Importers, Exporters, Growers, Hybridists.  
For page see List of Advertisers.

Carrillo & Baldwin, Syracuse, N. Y.  
For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W.  
Orange, N. J.

For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 105.  
For page see List of Advertisers.

Largest stock in the country. Ask for  
prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

**PAINT AND PUTTY:** Ideal Greenhouse  
lead; Special Greenhouse Putty. Lord &  
Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries,  
Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts.,  
Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
Home-Grown Palms.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

**PANSY PLANTS.**

Pansies, extra fine giant flowering, strong  
plants, 30 cents per 100; \$2.50 per 1000.  
Edw. Wallis, Atco, N. J.

**PAPER FOR CATALOGUES**

Geo. W. Wheelwright Paper Co., 95 Milk  
St., Boston.

**PATENTS**

Siggers & Siggers, Washington, D. C.  
For page see List of Advertisers.

**For List of Advertisers See Page 851**

**PEAT**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

**PEONIES**

Peonies only, by the wholesale best 100 varieties. J. F. Rosenfield, Westpoint, Neb.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. In stamps for Phlox Manuel. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroesehell Bros. Co., 35 Erie St., Chicago

For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PIPE COUPLING**

The Castle Co., 170 Summer St., Boston.

**PLANT POTS AND PEDESTALS**

Jones, McDuffee & Stratton Co., 33 Franklin St., Boston.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.

For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS (Artificial)**

Poinsettias, artificial decorations our specialty. Sample lots of 50 in 3 sizes, \$4.00; 100 lots, \$6, \$8, \$10. J. Stern & Co., 125 N. 10th St., Philadelphia, Pa.

**POINSETTIAS, (Genuine)**

J. K. Allen, 106 W. 25th St., New York.

**PRUNING SHEARS**

Rhodes Mfg. Co., Dept. R., Grand Rapids, Mich.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 31st St., Chicago.

For page see List of Advertisers.

George Witthold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

Thos. F. Galvin, 124 Tremont St., Boston.

For page see List of Advertisers.

Julius A. Zinn, 2 Beacon St., Boston.

For page see List of Advertisers.

**RETAIL FLORISTS — Continued**

Frank H. Houghton, 336 Boylston St., Boston.

For page see List of Advertisers.

Edward MacMullin, 194 Boylston St., Boston.

For page see List of Advertisers.

Hoffman, Florist, 59-61 Massachusetts Ave., Boston.

For page see List of Advertisers.

J. Newman & Sons, Inc., 24 Tremont St., Boston.

For page see List of Advertisers.

Tailby, Wellesley, Mass.

For page see List of Advertisers.

J. Breitmeier's Sons, Detroit, Mich.

For page see List of Advertisers.

Samuel Murray, 1017 Broadway, Kansas City, Mo.

For page see List of Advertisers.

Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.

For page see List of Advertisers.

Fred C. Weber, 4326 Olive St., St. Louis, Mo.

For page see List of Advertisers.

H. G. Eyres, 11 N. Pearl St., Albany, N. Y.

For page see List of Advertisers.

David Clarke's Sons, 2139 2141 Broadway, New York.

For page see List of Advertisers.

Alex. McConnell, New York.

For page see List of Advertisers.

Robert G. Wilson, Fulton St. and Greene Ave., Brooklyn, N. Y.

For page see List of Advertisers.

Young & Nugent, 42 W. 24th St., N. Y.

For page see List of Advertisers.

M. Rowe, 1294 Broadway, New York.

For page see List of Advertisers.

The Blossom (C. C. Trepel, Mgr.), Bond and Livingston Sts., Brooklyn, N. Y.

For page see List of Advertisers.

Palmer's Buffalo, N. Y.

For page see List of Advertisers.

J. H. Dunlop, 96 Yonge St., Toronto, Can.

For page see List of Advertisers.

**RHODODENDRONS**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Anthony Waterer, Knapp Hill Nursery, Surrey, Eng.

For page see List of Advertisers.

**ROSES**

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.

Rose Newport Fairy.

For page see List of Advertisers.

Waban Rose Conservatories, Natick, Mass., and 3A Somerset St., Boston.

New Forcing Rose White Killarney.

For page see List of Advertisers.

The F. R. Pierson Co., White Killarney.

Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J.

For page see List of Advertisers.

Hoopes Bro. & Thomas Co., Maple Ave. Nurseries, West Chester, Pa.

Rose Dorothy Perkins.

For page see List of Advertisers.

Benjamin Dorrance, Dorrance, Pa.

Rooted Cuttings, Young Rose Plants.

A. T. Boddington, 312 W. 14th St., New York.

Hardy Roses and Ramblers.

Roses, strong, own root, 4 inch Chatenay, Killarney, Richmond and Maid, \$8 per 100.

Siebrecht & Son, New Rochelle, N. Y.

Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**SCALECIDE**

B. G. Pratt Co., 50 Church St., New York.

For page see List of Advertisers.

**SEED GROWERS**

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Cal.

For page see List of Advertisers.

Hjalmar Hartmann & Co., Cauliflower and Cabbage Seed.

12 Strømgade, Copenhagen, Denmark.

For page see List of Advertisers.

A. J. Pieters Seed Co., Hollister, Calif.

Sweet Pea and Onion Seed.

For page see List of Advertisers.

Federico C. Varda, Tenerife, Canary Ids.

Bermuda Onion Seed.

**SEEDS**

1. J. Gray Co., 32 So. Market St., Boston.

For page see List of Advertisers.

Joseph Breck & Sons, 51 and 52 N. Market St., Boston, Mass.

For page see List of Advertisers.

W. Atlee Burpee & Co., Philadelphia.

For page see List of Advertisers.

J. M. Thorburn & Co., 33 Barclay St., N. Y.

For page see List of Advertisers.

Arthur T. Boddington, 342 W. 14th St., New York.

For page see List of Advertisers.

H. F. Mitchell Co., 1017 Market St., Phila.

For page see List of Advertisers.

Hjalmar Hartmann & Co., 12 Strømgade, Copenhagen, Denmark.

Cauliflower and Cabbage Seed.

For page see List of Advertisers.

Rickards Bros., 37 E. 19th St., New York.

For page see List of Advertisers.

R. & J. Farquhar & Co., 6-7 So. Market St., Boston.

Mignonette Seed.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.

For page see List of Advertisers.

A. J. Pieters Seed Co., Hollister, Calif.

Sweet Pea and Onion Seed.

For page see List of Advertisers.

Kershaw, Kelghley, Eng.

Seeds. Rocky Mountain Evergreen seeds in large or small quantities. C. S. Harrison's Select Nursery, York, Neb.

My own new crop of SALVIA SPLENDENS VARIETIES is now ready: Nana Compacta ZURICH, finest early flowering pot Salvia in existence, selected seeds.

Compacta Grandiflora FIREBALL, best of all for pots and groups, selected seeds.

Grandiflora Amellorata KING OF THE SCARLETS, unexcelled for late groups, with extra large deep scarlet spikes, selected seeds. Each of above per Tr. Pkt., 50c.; 6 Tr. Pkt., \$2.50. Larger quantities on special quotation. O. V. ZANGEN, Seedsman, Hoboken, N. J.

SHRUBS

The Geo. Witthold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**SILKALINE**

John C. Meyer & Co., Boston, Mass.

For page see List of Advertisers.

**SMILAX**

Vern L. Schurratt, 1041 W. 8th St., Erie, Pa.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Fresh, clean, 5 bbl. bale, \$1.25; 2 bales, \$2.25; 5 bales, \$3.00; 10 bales, \$9.50. Cash. H. R. Akers, Chatsworth, N. J.

**SPRAYERS**

"SHOWERMAKER," \$1. Jos. Kopcsay, So. Bend, Ind.

For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**STEAM TRAP**

E. Hippard, Youngstown, O.  
For page see List of Advertisers.

**STRAWBERRY PLANTS**

H. L. Crane, Westwood, Mass.  
Barrymore, Strawberry.  
For page see List of Advertisers.

**SWEET PEAS**

A. C. Zvolanek, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

E. H. Hunt, Genl. Agt., 76-78 Wabash Av.,  
Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between  
25th & 26th Sts., Chicago.  
For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey  
City, N. J.  
For page see List of Advertisers.

The Advance Co., Richmond, Ind.  
For page see List of Advertisers.

Quaker City Machine Co., Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.

**VENTILATING MACHINERY.** New  
Model encased, self-oiling gear; Standard  
Model Open Gear. Lord & Burnham, 1183  
Broadway, N. Y.

**WAX FLOWERS**

We are originators of wax designs and  
still the standard concern. J. Stern & Co.,  
125 N. 10th St., Philadelphia, Pa.

**WINDOW BOXES**

Illinois Htr. & Mfg. Co., 3046 Wentworth  
Ave., Chicago, Ill.

**WIRED TOOTHPLICKS**

W. J. Cowee, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

Reed & Keller, 122 W. 25th St., N. Y.  
For page see List of Advertisers.

Wirework. Write for our catalogue.  
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 88-40  
Broadway, Detroit, Mich.

Headquarters for wire work. Send for  
list. Ball & Betz, 31 E. 3rd St., Cin-  
cinnati, O.

Wirework—Compare our prices with  
others. Scranton Florist Supply Co.,  
201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS**  
**Boston**

N. F. McCarthy & Co., 84 Hawley St.,  
Boston.  
For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St.  
and 9 Chapman Pl., Boston.  
For page see List of Advertisers.

Weich Bros., 226 Devonshire St., Boston  
For page see List of Advertisers.

Talbot, Wellesley, Mass.  
For page see List of Advertisers.

**Chicago**

Chas. W. McKellar, 51 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.

Peter Reinberg, 51 Wabash Ave., Chicago  
For page see List of Advertisers.

E. F. Wintermon Co., 45-49 Wabash Ave.,  
Chicago.  
For page see List of Advertisers.

J. A. Budlong, 37-39 Randolph St., Chicago  
For page see List of Advertisers.

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

**Cromwell, Conn.**

A. N. Pierson, Cromwell, Conn.  
For page see List of Advertisers.

**WHOLESALE FLORISTS—**  
**Continued****Detroit**

Michigan Cut Flower Exchange, 38 and 40  
Broadway, Detroit, Mich.  
For page see List of Advertisers.

**Minneapolis**

Rice Bros., 115 N. 6th St., Minneapolis,  
Minn.  
For page see List of Advertisers.

**New York**

Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New  
York.  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New  
York.  
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th  
St., New York.  
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St.,  
Brooklyn, N. Y.  
For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 26th St.,  
New York.  
For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.

Greater New York Florists' Association,  
162 Livingston St., Brooklyn, N. Y.,  
For page see List of Advertisers.

George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.

Frank Millang, 55-57 W. 26th St., New  
York.  
For page see List of Advertisers.

B. S. Stinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.

Growers' Cut Flower Co., 39 W. 28th St.,  
New York.  
For page see List of Advertisers.

Henshaw & Fenrich, 44 W. 28th St.,  
New York.  
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.  
For page see List of Advertisers.

**Philadelphia**

W. E. McKissick & Bros., 1619-1621 Ran-  
stead St., Philadelphia, Pa.  
For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadel-  
phia, Pa.  
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-18  
Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

**St. Louis**

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

**WHOLESALE PLANTSMAN**

Samuel A. Woodrow, 53 W. 30th St.,  
New York.  
For page see List of Advertisers.

**WILD SMILAX**

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax: Log Mosses.  
For page see List of Advertisers.

**New Offers in This Issue.****CHRISTMAS FLOWERS.**

A. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH.**

F. A. Danker, Albany, N. Y.  
For page see List of Advertisers.

**REVERO HOSE.**

Revere Rubber Co., Boston, Mass.  
For page see List of Advertisers.

**ROSES.**

W. A. Finger, Hicksville, L. I., N. Y.  
For page see List of Advertisers.

**ROSE MY MARYLAND.**

F. R. Pierson Co., Tarrytown, N. Y.  
For page see List of Advertisers.

**PITTSBURG FLORISTS' CLUB.**

The members of the Pittsburg Florists' Club responded to Pres. Burki's invitation to visit the Pittsburg Rose & Carnation Co. on last Thursday. A number of them started early in the morning and took in the places at Allison Park and then joined the main body which left on the 1 o'clock train.

There was a party of over fifty, among them the following from out of the city: John Walker, Youngstown, O.; John Hellstem and friend, Wheeling, W. Va.; Geo. A. McWilliams, Natrona, Pa.; and C. A. De Muth, Connelville, Pa.

The Pittsburg Rose & Carnation Co. have a 250 acre farm with a village of one hotel and 12 dwelling houses for their employes who look after their stock, under a quarter of a million feet of glass. The stock grown are Killarney, Richmond, 'Maid, Bride, Chateney, Jardine, Perle, Cuisine and Bon Seline, all the best carnations, Asparagus plumosa and Sprenger.

After an inspection of stock, houses, heating system and packing and cooling facilities the visitors sat down to a bountiful lunch presided over by the ladies of the place.

Before leaving, John Bader in a few timely remarks, congratulated Mr. Burki on the splendid condition of his stock and thanked him and the ladies for their kindness on this, the second field day of the Club.

**OBITUARY.****Harry C. Smith.**

Harry C. Smith, gardener for E. r. Morse, Medford, Mass., died on December 12, aged 55. He was born in England, was a member of Company B, British Naval Veterans, and was buried with military honors in Mount Hope Cemetery.

**Mrs. David Weir.**

We extend our sincere sympathy to David Weir, Brookline, Mass., whose wife died of heart failure on Nov. 17, aged 63 years. Funeral was from her late residence on Nov. 20, and burial at Walnut Hills Cemetery. Mrs. Weir was born in Scotland. She has been a resident of Brookline for 13 years, and was beloved by a large circle of friends among neighbors and the gardening fraternity.

**For List of Advertisers See Page 851**



## List of Advertisers

Page	Page
Advance, The Co. .... 855	Marquise Louis E. .... 826
Allen J. K. .... 845	Meyer J. C. & Co. .... 845
American Nursery Co. .... 838	Micheli H. F. Co. .... 839
American Nursery .... 828	Michigan Cut Flower
Aschmann Godfrey. .... 837	Exchange. .... 845
Atlanta Floral Co. .... 840	Millang Bros. .... 844
Bambrick Thos. H. .... 851	Millang Frank. .... 844
Barrows H. H. & Son. .... 836	Miller, E. S. .... 836
Bassett & Washburn. .... 826	Moninger J. C. .... 854
Bayersdorfer H. & Co. .... 841	Moore, J. L. .... 836
Beaven E. A. .... 845	Moore, Hentz & Nash. .... 844
Bernie H. G. .... 845	Moore-Livingston Co. .... 841
Blossom Thos. .... 840	Morse C. C. & Co. .... 839
Bobbink & Atkins. .... 827	Mosbaek Greenhouses. .... 851
Boddington A. T. .... 836	Murray Samuel. .... 840
Boston Florist Letter	New Eng. Nurseries. .... 828
Co. .... 841	Newman J. & Sons. .... 841
Boston Plate and Win-	Niessen Leo Co. .... 842
dow Glass Co. .... 854	North Carolina Ever-
Bostrom-Brady Mig.	green Co. .... 845
Co. .... 843	Oberlin Thos. J. .... 836
Bowe, M. A. .... 840	Oechslin Fra. .... 837
Breck Joseph & Sons. .... 839	Ordenez Bros. .... 835
Brettmeyer's J. Sons. .... 840	Ouwertkerk P. .... 828
Bridgeman's Seed	Pauwtherpe P. R. Co. .... 853
Warehouse. .... 839	Palmer W. J. .... 841
Budlong J. A. .... 835	Park Floral Co. .... 840
Burpee W. A. & Co. .... 839	Payne John A. .... 853
Buxton & Allard. .... 855	Peacock Dahlia Farms. .... 836
Carrillo & Baldwin. .... 835	Pennock-Meehan Co. .... 833
Chicago Carnation	Perkins St. Nurseries. .... 847
Co. .... 826	Pierson, A. N. .... 836
Clarke's David, Sons. .... 840	Pierson F. R. Co. .... 837
Clary's Horticultural	Pierson U. Bar Co. .... 856
Co. .... 828	Pieters A. J. Seed Co. .... 839
Coan J. J. .... 844	Pfehlmann Bros. Co. .... 842
Cotsonas Geo. & Co. .... 845	Pratt B. G. Co. .... 853
Cowee W. J. .... 845	Pulverized Manure Co. .... 833
Craig, Robt. Co. .... 828	Quaker City Machine
Crane H. L. .... 828	Co. .... 855
Crawback Geo. W. .... 845	Raynor John I. .... 844
Danker F. A. .... 841	Reed & Keller. .... 843
Dingee & Conard Co. .... 836	Reinberg Peter. .... 842
Doane Geo. B. & Son. .... 855	Revere Rubber Co. .... 833
Dorner F. Sons & Co. .... 826	Rice Bros. .... 842
Dreer H. A. .... 854	Rickards Bros. .... 839
Dunlop John H. .... 840	Robinson H. M. & Co. .... 835
Dysari R. J. .... 841	Rock Wm. L. Flo. Co. .... 840
East Sudbury Green-	Roehrs Julius Co. .... 835
houses. .... 826	Roper Albert. .... 826
Edwards Folding box	Roland, Thomas. .... 836
Co. .... 842	Rolker August & Sons. .... 852
Elcott Wm & Sons. .... 838	Rose Hill Nurseries. .... 836
Eisler J. G. .... 855	Salford Geo. .... 814
Ernest W. H. .... 852	Sander & Son. .... 835
Eyres. .... 840	Schultheis Anton. .... 827
Farouhar R. & J. Co. .... 839	Schulz Jacob. .... 841
Finger W. A. .... 827	Scott, John. .... 836
Fiske, H. E. Seed Co.	Sharp, Partridge & Co. .... 854
839-853	Sheridan W. F. .... 844
Foley Mfg. Co. .... 855	Shinn's, Warren, Nur-
Ford Bros. .... 844	series. .... 828
Froment H. E. .... 844	Shunway W. H. .... 826
Galvin Thos. F. .... 840	Siggers & Siggers. .... 844
Graves E. T. .... 826	Simpson Robt. .... 838
Greater N. Y. Florists'	Situations & Wants. .... 851
Association. .... 845	Slinn B. S. Jr. .... 844
Grey T. J. Co. .... 839	Smith Elmer D. & Co. .... 836
Growers' Cut Flower	Smyth Wm. J. .... 840
Co. .... 844	Standard Plate Glass
Gude Bros. Co. .... 840	Co. .... 854
Guttman Alex. J. .... 844	Stearns A. T. Lumber
Hall Asso. .... 855	Co. .... 854
Hartmann Hjalmar &	Stump & Walter Co. .... 853
Co. .... 829	Sunlight Double Glass
Hauswirth M. C. & J. E. .... 840	Nash Co. .... 854
Heacock Inc. & Co. .... 827	Swayne Wm. .... 826
Henshaw & Fenrich. .... 845	Tailby. .... 841
Herbert David & Son. .... 836	Thorburn J. M. & Co. .... 839
Hews A. H. & Co. .... 852	Totty Chas. H. .... 826
Hilfinger Bros. .... 852	Traendly & Schenck. .... 844
Hill, The E. G. Co. .... 826	Treple C. C. .... 840
Hippard E. .... 835	Troy J. H. .... 851
Hitchings & Co. .... 856	Twomey D. J. .... 828
Hoffman. .... 841	Valentine, J. A. .... 840
Horan E. C. .... 844	Vincent R. Jr. & Sons. .... 836
Houghton F. H. .... 810	Waban Rose Conser-
Hunt E. H. .... 853	vatories. .... 828
Kentucky Tobacco	Waterer A. .... 828
Product Co. .... 852	Waterer John & Sons. .... 854
Kervan The Co. .... 845	Weathered Co. .... 828
Keisler, P. F. .... 844	Weber F. C. .... 840
King Cons. Co. .... 844	Welch Bros. .... 842
Kopcsay Jos. .... 855	Whilldin Pottery Co. .... 832
Krick W. C. .... 852	Weston H. .... 836
Krueschell Bros. Co. .... 855	Wilson. .... 840
Kuebler Wm. H. .... 845	Wilson Plant Oil &
Lager & Hurrell. .... 835	Fertilizer Co. .... 852
Langjahr, Alfred H. .... 844	Winterson, E. F. Co. .... 842
Leonard Seed Co. .... 839	Witthold Geo. Co. .... 827
Leuthy A. & Co. .... 827	Wood Bros. .... 826
Lord & Burnham Co. .... 856	Woodrow Sam'l A. .... 845
Lutton W. H. .... 855	Yokohama Nursery Co. .... 836
Manda Jos. A. .... 835	Young A. L. .... 845
MacMullin E. A. .... 840	Young John. .... 840
McCarthy N. F. & Co. .... 845	Young & Nugent. .... 844
McConnell Alex. .... 840	Zinn Julius A. .... 841
McKellar Charles W. .... 842	Zvolanek A. C. .... 839
McKissick, W. E. &	
Bros. .... 842	
McManus Jas. .... 844	

## PENNSYLVANIA HORTICULTURAL SOCIETY.

Clement B. Newbold of Jenkintown was elected president of this time-honored society at its annual meeting on the 15th inst. Randall Morgan, H. F. Michell, Dr. J. Cheston Morris, and J. G. Cassatt were elected vice-presidents; Sydney W. Keith, treasurer; David Rust, secretary. A silver medal was awarded to Mrs. Geo. B. Wilson, gardener Charles Bond, for Laelio-Cattleya Madame Charles Maron. Chas. J. Roebling, Trenton, N. J., gardener James Goodier, exhibited *Cypripedium Leeanum magnificum*, for which he was awarded a certificate of merit; *Cattleya Eureka*, and a collection of eighteen varieties of *Laelia anceps*, both of which exhibits were honored with a silver medal. Prizes were awarded to Wm. Kleinheinz for Queen Beatrice rose; to Walter Scott and John Hobson for mushrooms. Special mention went to Anglo-American Spawn Co., Kennett Square, and Dingee & Conard Co., West Grove, for fine exhibits of mushrooms.

### ST. LOUIS FLORIST CLUB.

This organization held its regular monthly meeting on last Thursday afternoon and President Young was especially cheered by the presence of a goodly number of members from out of the city who seem to take a much greater interest in attending these meetings than those who live close by in the city. Chairman Augermuller reported for his committee that the "Smoker" would be held the latter part of next month and a good program would be presented. Julius Schafer made application and Wm. Mackle was elected to membership. It was decided to hold all meetings in future in the afternoon at two o'clock, the night meetings having proved a failure. The old quarters have been re-engaged for three months until the trustees find a better. The club recommended W. C. Smith as next S. A. F. vice-president for Missouri. A. S. Halsted, president of the St. Clair Floral Co., Belleville, Ill., staged their new carnation, Twentieth Century.

### CLUB AND SOCIETY NOTES.

The new officers of the Milwaukee (Wis.) Florist Club, as elected at their meeting on December 3, are: President, C. Dallwig; vice-president, G. Rusch; secretary, M. P. Vallier; treasurer, J. Heitman.

The new officers of the Rhode Island Florists' and Gardeners' Club, of Providence, are: President, C. S. Macnair; vice-president, Robt. Johnston; secretary, William E. Chappell; treasurer, William Hill.

The Montgomery County Horticultural Society met at Dayton, O., on December 2 and elected the following officers: President, J. J. Fromm; vice-president, F. W. Ritter; secretary, Rev. D. Berger; treasurer, John Ewing.

### A CHRISTMAS GIFT EVERY GARDENER WILL PRIZE.

A Garden Diary.—Underwood. Each day of the year has a page, and each page is divided into four parts, for the record of four years. It is equal to a shelf full of books. Price \$3.25; by mail, \$3.55.

## Troy's WANT Corner

### WANTED

Large Koster's Blue Spruce running from 5 ft. to 8 ft. high. State size and price and how many you can supply.

Write giving full particulars to

**J. H. TROY,**

Care "The Rosery,"

24 East 34th St., NEW YORK CITY.

### HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

**THOS. H. BAMBRICK.**

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

## SALESMAN WANTED

For nursery stock from an old established nursery. Must have experience and knowledge of the business. Good salary and expenses. Address J. K., Horticulture.

WANTED—A working nursery foreman and salesman, one who understands the value of imported plants. Reply to Salesman, care this paper. Correspondence considered private.

### SITUATIONS WANTED

SITUATION WANTED—By practical landscape gardener and florist; private or commercial; middle aged; married. J. Hodge, 44 West St., Fitchburg, Mass.

### FOR SALE

## FOR SALE

On Favorable Terms

The Mosbaek Greenhouse Co. offer their plant at Onarga, Illinois, for sale. This plant consists of Eight Modern Greenhouses each 25 x 100 ft., well equipped with Ferns and Bedding Plants of all kinds, and Several acres of Perennials. Also a good sized dwelling house and five acres of land adjoining; also leasehold for 47 acres of additional rich land, about one-half of which is set to Asparagus and Picoplant. The business is mainly wholesale—very little retail business being done. Any one interested will be furnished with detailed information on application to

**THE MOSBAEK GREENHOUSE CO.**  
ONARGA, ILLINOIS

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

### MISCELLANEOUS WANTS

WANTED—*Alsophila australis*, in smaller sizes. State price and quantity in stock. J. F. Anderson, Short Hills, N. J.

Would be glad to hear from any growers of fancy plants or cut flowers. P. F. Potter, Florist, Rutland, Vt.

Tobacco Paper

IS THE

**STRONGEST,  
BEST PACKED,  
EASIEST APPLIED.**

24 sheets.....\$ 0.75  
144 sheets..... 3.50  
288 sheets..... 6.50  
1728 sheets..... 35.10

# "NICO-FUME"

**Furnishes the  
Most Nicotine for the Money!**

... Manufactured by ...  
**THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.**

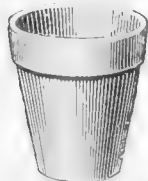
LIQUID

OVER 40% NICOTINE

By far the  
**CHEAPEST.**

JU T NOTE PRICE !

Pint.....\$ 1.50  
½ Gallon..... 5.50  
Gallon ..... 10.50  
5 Gallons..... 47.25



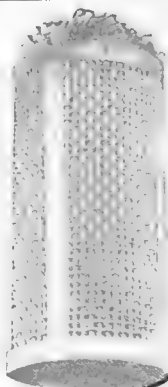
## THE WHILLDIN POTTERY COMPANY

### THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

108,000 STEMS, 750 PER CWT.



## The Lauten Fumigator

(PATENTED)

Write for Prices and Particulars.

Burns Tobacco Stems, the cheapest and most effective fumigating medium yet found.

Costs no more than one box Tobacco Paper and will last a lifetime.

Will not blaze or emit any foreign gases.

Will not discolor or cripple flowers.

Is easy to handle and there is no danger of fire in using.

Will burn 5 or 6 hours without attention.

Will exterminate aphids absolutely with one operation.

Write for prices of all Supplies for the Grower

**WILSON PLANT OIL & FERTILIZER CO. CHATHAM N. W. Jersey**

### GREENHOUSES BUILDING OR CONTEMPLATED.

Boise, Ida.—Boise Floral Co., range of houses.

Wooster, O.—Wooster Nursery Co., one house.

Maywood, Ill.—Charles Cassier, two houses, each 25 x 100.

W. Manchester, Mass.—Mrs. Lester Leland, orchid house 8 x 100.

Charlotte, N. C.—The J. Van Lindley Nursery Co., four houses.

Poughkeepsie, N. Y.—Conrad Gindra, three houses, each 30 x 120.

### NEWS NOTES.

Buffalo, N. Y.—An overheated furnace was the cause of a fire in the greenhouse of John Debloff, 197 Leroy Ave., damaging it to the extent of \$300.

Los Angeles, Cal.—A. C. Stower and Henry Englehart of Glendora, have purchased a large tract of land in Cherry Valley and will start in the nursery business.

Bristol, Va.—The Globe Nursery Co., recently purchased the Falm farm near Blountville, Tenn., containing 500 acres, for nursery purposes. It is said that \$25,000 was the price paid.

Jacksonville, Fla.—The business of Sawyer & Payne has been organized

into a company with J. H. Payne president, H. L. Sawyer, vice-president, C. E. Heston, treasurer and A. N. Duncan, secretary. This will enable them to increase their nursery grounds, build new houses, and a little later open an up-to-date store.

The Detroit Park Board has received an offer of the larger part of a collection of 30,000 orchids from the heirs of the late Jos. Berry. This collection, which has been widely known, was started with 200 plants some twenty years ago and has been in charge of Henry Fruck even since. Some very valuable varieties are among them now and the city will undoubtedly accept this generous gift.

Owing to the proximity of Christmas, the exhibition of the Horticultural Society of Chicago at the Art Institute on Dec. 12 did not materialize. However, a special effort is being made for the January one. Carnations will be the special feature and under the management of W. N. Rudd there is no doubt as to its success.

## Standard Flower POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.

### KRICK'S "Perfect" Flower Pot Handle and Hanger



The Perfect Flower Pot Handle and Hanger is used for lifting plants out of jardineres, also for hanging up plants for decorations on walls, etc., and will sustain a weight of 100 lbs.

No. 1. Will fit from 2 to 5-in. pots, per doz. ....30c.

No. 2. Will fit from 5 to 8-in. pots, per doz. ....40c.

No. 3. Will fit from 8 to 12-in. pots, per doz. ....50c.

By Mail, 10c. extra per doz.  
Sample pair 10c., p. staid.

**W. C. KRICK, 1164-66 Greene Ave., BROOKLYN, N. Y.**



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	120 7 in. pots in crate \$4.20
150 2 ½ " " " 5.25	60 8 in. " " " 3.00
1500 3 " " " 6.00	
1000 3 ½ " " " 5.00	<b>HAND MADE</b>
800 4 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 ½ " " " 4.50	48 10 " " " 4.80
200 5 " " " 4.50	24 11 " " " 3.60
140 5 ½ " " " 3.16	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of indicators for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address **H. Finger Bros., Pottery, Fort Edward, N. Y.** August R. Her & Sons, Agts. 31 Barclay St., N. Y. City.

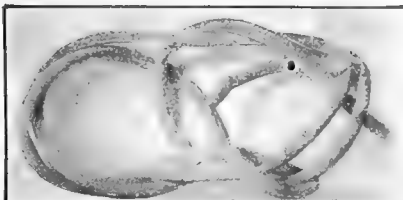
In ordering goods, please add "I saw it in HORTICULTURE."

# "REVERO"

Braided Moulded Construction—Seamless Throughout



**LIGHT--STRONG--FLEXIBLE**



The above cuts represent the non-kinking tendency of Revere as compared with the old style hose of wrapped duck construction.

Revere is Furnished on Reels in Continuous Lengths up to 500 feet.

**Revere Rubber Company,**  
**BOSTON, MASS.**

NEW YORK  
NEW ORLEANS

PHILADELPHIA  
MINNEAPOLIS

PITTSBURG  
SAN FRANCISCO

CHICAGO  
PORTLAND, ORE.

## "SCALECIDE"

PRATT'S

TRADE MARK REG. U. S. PAT. OFF.

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than lime sulphur. Not an experiment. Write for FREE sample and endorsement of fruit growers and entomologists who have used it for years. Prices: 5-gal. bbl., \$25.00; 31-gal. tin, \$15.00; 10-gal. can, \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00, f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water. "Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper."

B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.

## WIZARD BRAND MANURES

Dried, screened and packed in bags of 100 lbs. each.

**PULVERIZED SHEEP MANURE**  
PURE — UNIFORM — RELIABLE

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

**SHREDDED CATTLE MANURE**  
EASY TO HANDLE AND APPLY

Stronger and better in every way than rough manure. Lasts much longer on the benches. Un-qualified for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask Your Supply Man or Write Us for Circulars and Prices.

— THE —  
**Pulverized Manure Co.**  
31 Union Stock Yards, CHICAGO

**DON'T EXPERIMENT**

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

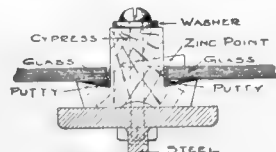
H. E. FISKE SEED CO.  
13 Faneuil Hall Sq., Boston, Mass.

STUMPP & WALTER CO.,  
50 Barclay St., New York.

HENRY F. MICHELL & CO.,  
1018 Market St., Philadelphia.

E. H. HUNT, Gen'l Agent,  
76-78 Wabash Ave., Chicago.

## The Payne Steel "T" Bar Greenhouses



The Lightest

The Strongest

Half full Size

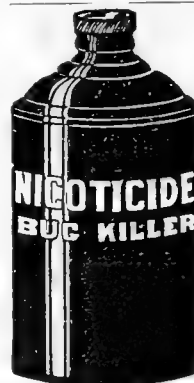
HOUSES of this type are constructed with both curved glass eaves and straight glass eaves. Least amount of shadow. Least amount of wood. No drip. Greatest durability.

**JOHNA. PAYNE**

Greenhouse Designer and Builder

260-274 Culver Avenue

**JERSEY CITY, N. J.**



The Best  
Bug Killer and  
Bloom Saver

For PROOF

Write to

**P. R. Palethorpe Co.**  
OWENSBORO, KY.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind  
FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface.  
One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt strong in Nicotine and all ways of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

**Anything of Value**  
to the profession  
**CAN BE SOLD**  
through advertising in  
**Horticulture**

# MERRY CHRISTMAS

Here we are again at Christmas and another year almost gone. It is time to be making plans for next season and taking thought as to how this year's work can be improved on in 1909. If you have greenhouses you are probably thinking of making an addition; if you are a retailer you expect to make your store nicer and neater than ever, possibly build a conservatory or a show house. If you have anything in the greenhouse line don't forget to consult us before you build and get our prices. We can interest you in our material if you only give us a chance. . . This is our 40th successful year. We wish you all a Merry Xmas and much success for the New Year.

## JOHN C. MONINGER CO.

117 E. Blackhawk St., CHICAGO



**SUNLIGHT**  
**DOUBLE-GLASS**  
**SASH PATENTED**  
**FOR HOT-BEDS AND COLD FRAMES**

ADDRESS  
Sunlight Double-Glass Sash Company  
929 East Broadway  
LOUISVILLE, KY.

The double layer of glass  
does it

Lets in the light always.  
Never has to be covered or uncovered; no boards or mats needed.

Retains the heat, excludes the cold.  
Makes stronger and earlier plants.  
Glass slips in; no putty; cannot work loose; easily repaired.

Ask for 'catalog W' it tells all about Sunlight sash.  
Special catalog for greenhouse material.

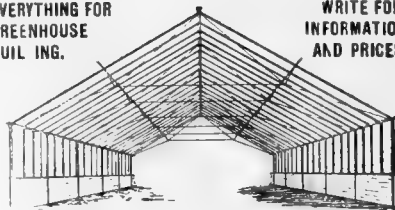
**CYPRESS SASH BARS**  
82 feet or longer  
**HOT BED SASH**  
**PECKY CYPRESS BENCH LUMBER**  
**GREENHOUSES**  
ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



King Greenhouses. King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tilt Benches and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

### FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

26-30 Sudbury St. BOSTON, MASS. 61-63 Portland St.

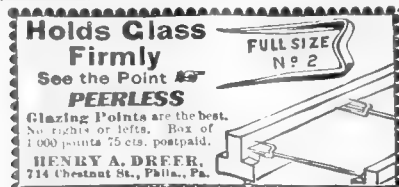
**GLASS** Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

BOSTON PLATE & WINDOW GLASS CO.

### GREENHOUSE GLASS

German and American

261 to 287 A St., Boston 20-22 Canal St.



**Holds Glass Firmly**  
See the Point of  
**PEERLESS**  
Glazing Points are the best.  
No rights or lefts. Box of  
1,000 points 75 cts. postpaid.  
**HENRY A. DREER,**  
714 Chestnut St., Phila., Pa.

THE  
**WEATHERED  
COMPANY**

erect the house of

### GREATEST SUNLIGHT

Iron Frame Semi-Iron Frame  
or All-Sash-Bar Houses  
Erected or Material Furnished

Send for Catalogue

P. O. Address Box 739  
NEW YORK CITY N. Y.

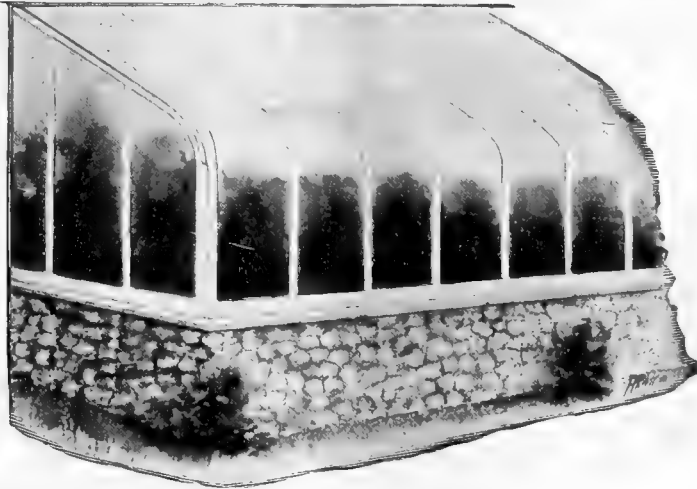
**PATENTS**  
Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure  
of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



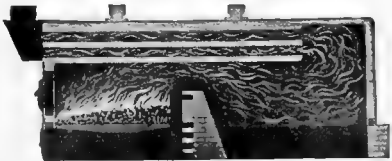
### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder

West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

Judge our machine, not by what we claim but what it is and what it will do. The best way to do this is give it a trial under our guarantee that if it is not better than any other machine &c., you return it at our expense. Write for new circular, prices and estimates.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

### SECOND HAND

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

### CHICAGO

Completely equipped with up-to-date machinery for the making of material for

## GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

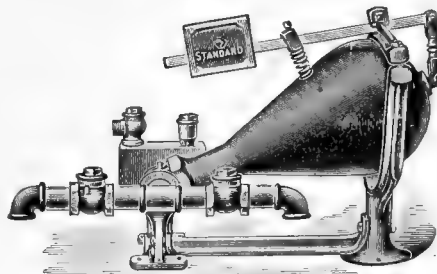
**We guarantee our prices will save you money**  
**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

—Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO.,** WESTERN AVENUE  
25th and 26th STS., CHICAGO

## THE STANDARD STEAM TRAP



Is acknowledged the best for the florist, because it is durable and does its work without trouble and annoyance, saving its cost by the economy in coal bills.

### E. HIPPARD

YOUNGSTOWN, OHIO

### Evans 20th Century Arm

Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.

Write for free Catalogue to

**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



Garden and Sprinkler  
and Garden Hose.

Awarded diploma and medal, 1907, for the celebrated

Shower Maker, \$1 00

Dealers and jobbers, ask for sample, price and electros for catalogs.  
**JOSEPH KOPSA** South end, Ind.

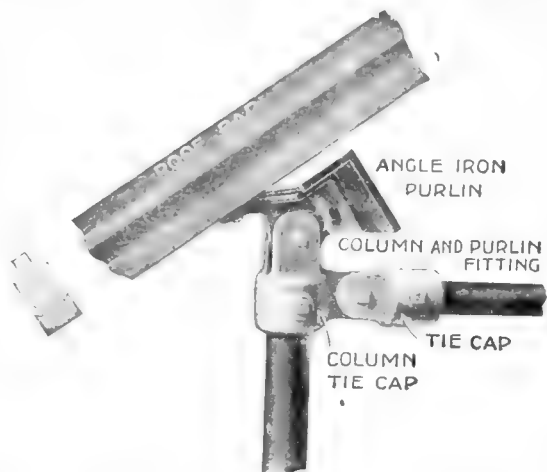
### USE THE BEST. Economy Greenhouse Brackets

are used by leading growers everywhere. Send for price list and descriptive circular.

**BUXTON & ALLARD, Dept. A, Nashua, N. H.**

The FLORISTS' HALL ASSOCIATION OF AMERICA, insurer of 29,000,000 sq. ft. of glass. For particulars address  
**John G. Esler, Sec'y, Saddle River, N. J.**



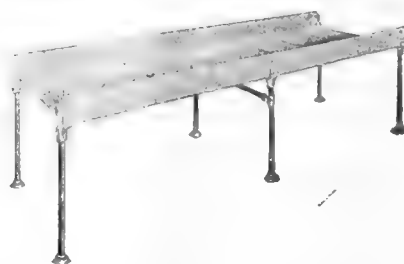


## PURLIN FACTS

We believe in the angle iron purlins, and know that screwing the bars to them, gives an accurate spacing with no chance for side slipping.

Our "Cling Tight" purlin and column fitting allows the column to be placed directly under the purlin, and makes it impossible for the angle purlin to turn, or the fitting to snap off. Send for our new circular—it's a bundle of other interesting building facts.

**Hitchings & Company**  
1170 Broadway New York



## WHAT DO YOU KNOW ABOUT OUR NEW INDESTRUCTIBLE CAST IRON BENCH?

Do you know that it is indestructible?

Do you know why it has 5% more room than a wooden bench of the same size, and from 5% to 10% more than a concrete bench?

Do you know why two men can easily put up 500 square feet in a day?

Then send for our 6 page circular which fully describes and illustrates it.

**Lord & Burnham Co.**

Main Sales Office: 1133 BROADWAY, N.Y.

BOSTON: 819 Tremont Building. PHILADELPHIA: 1215 Filbert St.



## ON THE INSIDE AGAIN

Here is an interior of one of the houses erected last year at Tuxedo Park, N. Y. You see it is an even span house with the center bench left out to accommodate the tall growing, potted plant. We are glad to get the photo before the house was filled, because it shows the arrangement better and you get a most convincing view of the U Bar curved eave with its web like construction. Nothing to obstruct the light, from vent header to sill.

It is the ideal construction for private estates, parks, public institutions and florists' show rooms.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE., NEW YORK

# HORTICULTURE

Vol. VIII.

DECEMBER 26, 1908

No. 26



A CHICAGO FLORAL ESTABLISHMENT

Devoted to the  
**FLORIST, PLANTSMAN,  
LANDSCAPE GARDENER**  
and  
*Kindred Interests*

Published  
**EVERY SATURDAY**  
At 11 Hamilton Place,  
BOSTON, MASS.  
Subscription, \$1.00

DEC 28 1908



**JAPANESE**  
THE YOKOHAMA NURSERY CO.  
31 BARCLAY STR. NEW YORK.  
**LILIES**  
**PLANTS**  
**BAMBOO STAKES**

WHY NOT ORDER

# White Killarney

**At Once**

FROM THE PRODUCERS

**WABAN ROSE CONSERVATORIES****NATICK, MASS.**

# Newport Fairy

The Rose of the Future For  
In and Out Door.

FINE, STRONG, FIELD-GROWN STOCK

3—4 Shoots 3—4 ft. long

50c each, \$30 per 100, \$250 per 1000

**JULIUS ROEHRS CO.**

RUTHERFORD, N. J.

Hardy Rhododendrons, Azaleas Con-  
ifers, Clematis, H. P. Roses, Shrubs  
and Herbaceous Plants from our  
**HOLLAND NURSERIES**

Prices Moderate

**P. OUWERKERK,** 216 Jane St., Westchester Heights  
P. O. No. 1, Hoboken, N. J.**CLEARY'S HORTICULTURAL CO.**

Management AMBROSE T. CLEARY

Wholesale Contracting, Jobbing, Auction

**HORTICULTURAL PRODUCTS**  
of every description.Consignments Received. Surplus Stock Converted  
62 Vesey St., NEW YORK

## Box Trees

and other **EVERGREENS** for Tubs and Boxes  
Our Prices are Always Right—Catalog Free  
**THE NEW ENGLAND NURSERIES, Inc.**  
BEDFORD, MASS.**ROBERT CRAIG CO.****ROSES, PALMS,**

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

THE PRIZE WINNING STRAWBERRY

## The Barrymore

Send for Folder at Once.

**H. L. CRANE, Originator,**  
Westwood, Mass.

## DAHLIAS.

Now is the time to  
place your order for  
bulbs which will insure  
you getting named va-  
rieties in any quantity; prompt delivery.**DAVID HERBERT & SON,**  
Successors to L. K. Peacock, Inc.  
ATCO, N.J.The Northboro Dahlia and  
Gladiolus Gardens

Offer for Spring 1909

300 selected varieties of Dahlias and one and one half  
million large-flowering Gladioli in mixtures, in lots to  
suit. Send list of your wants. Catalogue free.**J. L. MOORE, Northboro, Mass.**

## BARGAINS in TREES and PLANTS

Concord Grapes, \$2.00. Peach, \$3.00 per 100.  
List Free. D. J. TWOMEY, Dept. H, Geneva, N. Y.

## RHODODENDRONS, ANDROMEDAS, KALMIAS AND SPECIMEN EVERGREENS

**JOHN WATERER & SONS, LD.**

AMERICAN NURSERY

BAGSHOT,

ENGLAND

## Chrysanthemum Stock Plants

Per doz.	Per doz.	Per doz.
Lynnwood Hall....\$3.00	October Frost..\$0.75	Monrovia.....\$0.60
Mlle. Marg. Desjouis 5.00	Mary Mann .... 1.00	White T. Eaton .75
Virginia Poehlmann 1.25	Early Snow.... 1.00	

A very complete line of 'Mums both new and old, in young plants, early in the year

**THE E. C. HILL CO.,** RICHMOND  
INDIANA

## RHODODENDRONS-RHODODENDRONS

An immense stock of all the **hardest known kinds**, 2 to 3½ ft., fine plants  
and all home grown, many being on own roots, far better than grafted stock—  
also **R. Catawbiense** seedlings of all colors and **seedling Hardy**  
**Azaleas** not to be obtained elsewhere. This is the nursery in which most  
of the Rhododendrons that have proved **hardy in America** were raised.**GOLDEN YEWES, KALMIAS, and other HARDY PLANTS** in great  
variety and of all sizes.

Catalogues on Application

**ANTHONY WATERER** **KNAP HILL** **KNAP HILL**  
NURSERY  
**SURREY, ENGLAND**

(NO CONNECTION WHATEVER WITH ANY OTHER FIRM.)

**PEACOCK'S  
NEW DAHLIAS**

SEND FOR LIST

**PEACOCK DAHLIA FARMS**  
Williamstown Junction, N. J.

Established 40 Years

**Rose Hill Nurseries**

New and Rare Plants

**NEW ROCHELLE, N. Y.**

New York Office, Siebrecht Building, 425 Fifth Avenue

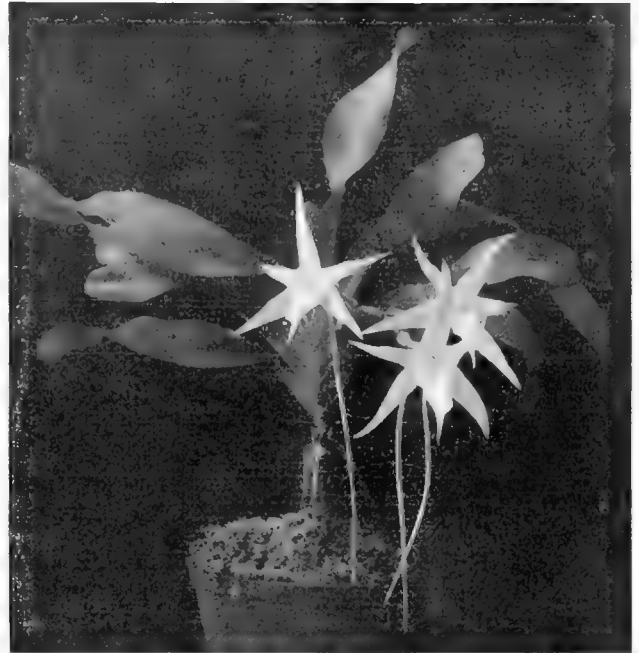


## Angraecums

The genus *Angraecum* contains some very beautiful and curious species, among which *A. sesquipedale* and *A. eburneum* are perhaps the two best known in collections, the former certainly being both curious and beautiful, with its ivory white long-spurred, star shaped flowers. *A. eburneum* is also a beautiful object when in bloom, and its pure white flowers last several weeks in perfection. *A. Sanderianum* with long pendulous racemes of white flowers is another fine species well worth growing. *A. Eichberianum* is quite pretty too, of climbing habit, producing numerous solitary flowers from the axils of one and two-year-old leaves. The sepals and petals are narrow, greenish white, lip spoon shaped, white in front, green at base, provided with a green spur about as long as the lip itself.

The home of the *Angraecums* is tropical Africa and adjacent islands and they will therefore require warm treatment. A night temperature in winter of 60 deg. to 63 deg. with a rise of 10 deg. to 15 deg. during the day, suits them well. During the summer months 70 deg. at night with a rise of 10 deg. to 20 deg. through the day will be none too warm. Their treatment is almost identical with that of the *Vandas*, except that they require a little more water at the root at all times; in fact, they should never be allowed to get real dry.

The pots in which the plants are growing should be filled with rocks to within an inch or so of the rim, then the whole is surfaced off with clean live sphagnum moss, which should be kept growing and should be renewed in the spring if it has turned sour during the winter. I find that they respond generously to an occasional water-



ANGRAECUM SESQUIPEDALE

ing with weak liquid manure. Give them all the light available at all times without scorching the leaves, and as much fresh air as the weather will permit.

*Angraecums* are not difficult to grow and one wonders why they are not often met with in collections.

*M. J. Ope*

*Naugatuck, Conn.*

## A Duty You Owe

We think every one who receives this paper is under obligation to devote a little time to a perusal of the advertisements. A duty, first, to the advertiser, without whose co-operation and financial support no periodical of this kind would be possible, and secondly, to himself, for in no way can he better inform himself as to the progress and present status of his business than by finding out what the foremost cultivators and business men have to offer. Again, there are legitimate bargains to be found in the advertising columns of every issue. Look them through and you can save money and trouble for these are reliable houses. Give them your order for what you need and don't forget to help *Horticulture* by mentioning where you saw the advertisement.

# HORTICULTURE

VOL. VIII

DECEMBER 26, 1908

NO. 26

PUBLISHED WEEKLY BY

**HORTICULTURE PUBLISHING CO.**  
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292

WM. J. STEWART, Editor and Manager

## SUBSCRIPTION PRICE

 One Year, in advance, \$1.00; To Foreign Countries, 2.00; To Canada, \$1.50  
**ADVERTISING RATES**

Per inch, 30 inches to page \$1.00.

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times) 5 per cent.; three months (12 times) 10 per cent.;

six months (6 times) 20 per cent.; one year (52 times) 30 per cent.

Page and half page spaces, special rates on application.

 Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass.  
 under the Act of Congress of March 3, 1879.

## CONTENTS

Page

COVER ILLUSTRATION—A Chicago Floral Establishment.

ANGRAECUMS—M. J. Pope—Illustrated..... 861

TREE TALKS—Jackson Dawson..... 863

### NEWS OF THE CLUBS AND SOCIETIES:

 Nassau County Horticultural Society—American  
 Rose Society—Elmer D. Smith, Portrait—Western  
 Association of Nurserymen—American Carnation  
 Society—Society of Iowa Florists..... 864

 Society of American Florists—Violet Growers'  
 Mutual Association—Toledo Florists' Club—James  
 Robertson, Portrait—Club and Society Notes.... 865

Paris Autumn Show—C. Harman Payne..... 866

LIME-SULPHUR AS A SUBSTITUTE FOR BOR-  
DEAUX MIXTURE—H. A. Aldrich..... 868

### OBITUARY:

 Charles Baltet—F. M. Strong—Hugh Mehorter—  
 Isabella Lilley—George Kahles—E. D. Spaulding.. 869

TO SAVE THE PHOSPHATES—H. C. Rizer..... 871

### SEED TRADE:

 American Seed Trade Association—Bulb Growing  
 in Santa Cruz..... 872

### OF INTEREST TO RETAIL FLORISTS:

 Chicago Holiday Window Displays—Steamer De-  
 partures—New Retail Flower Stores..... 874

 A Chicago Floral Establishment—Chicago Retail  
 Notes ..... 875

### FLOWER MARKET REPORTS:

 Boston, Buffalo, Chicago, Detroit, Philadelphia,  
 Toledo, Twin Cities, Washington..... 877

New York ..... 879

### MISCELLANEOUS:

National Apple Show..... 865

A Fruit Exhibit at Boston—Illustrated..... 867

Floricultural Education at Amherst..... 868

News Notes ..... 869-870

Philadelphia Personal and Business Notes..... 870

Personal ..... 870

Greenhouses Building or Contemplated..... 871

Incorporated ..... 871

Catalogues Received ..... 873

Business Changes ..... 877

A Caricature ..... 877

Patents Granted ..... 885

nounces for next winter "the greatest horticultural congress ever held in the west." All of which goes to show that orcharding is beginning to assume an importance in the west little realized by anyone who has not been watching developments closely. We look to see it grow in volume and intensity for the passion for horticulture, once well started, is wonderfully prolific and all must agree that the results will be good—good for the west, good for the east, good for the whole world and good for the best avocation open to mankind.

This is HORTICULTURE's last word for 1908 good-bye 1908. For many of our readers the year about to pass into history has been one of apprehension and disappointment. In common with other business interests, everyone engaged in horticultural pursuits has felt in greater or less degree, the pinch of financial stringency and the burden of business depression and enforced retrenchment. Yet with all this cloud upon its record we must admit that 1908 has not been wholly bad and that it should be credited with the fact that in its latter weeks, conditions have shown a gratifying improvement, and its passing away is with a kindly benediction and unmistakable signs of returning prosperity. We do not need to tell our readers that HORTICULTURE has more than held its own throughout the period of general adversity, for the evidences are plainly written in its well-filled advertising pages, which bear witness to the fact that the business interests are wide awake to the purchasing power behind its excellent circulation. Our friends far and near have not been slow to repeatedly express their approval of HORTICULTURE's course on questions of vital interest to the trade as these have come up from time to time. So it is with a feeling of grateful satisfaction that we pen these final lines for the volume which closes with this issue.

Communications have recently been received at this office in numbers sufficient to indicate beyond a question of doubt that shippers, large and small, are rapidly nearing the limit of endurance under the treatment accorded them by the freight and express transportation companies. Documentary proofs of over-weighing, over-charging and falsifying have been shown us which, on a bare statement, we could hardly have given credence to. Delays, rough handling and breakage seem to be a daily experience with those who are constantly shipping goods, and it is alleged that complaints are shelved or held up for months regardless of all appeals. On top of it all, rates are advanced at will and the contention which some of our correspondents make, that the attitude of the railroads and express companies towards the public of late is actuated by motives in which resentment figures strongly, would seem to be pretty well supported by pertinent facts. A measure of relief is looked for in the proposed Parcels Post Bill, but even that will be of little help to the general shipping trade unless its scope is extended very much beyond its provisions as now contemplated. In

### Booming the fruit industry

The largest apple exhibition in the world's history closed recently at Spokane, Washington. Council Bluffs, Mo., has just been through the excitements of the "greatest horticultural congress ever held," and St. Joseph, Mo., not to be outdone an-

the light of information at hand, we would earnestly advise those of our readers who have occasion to ship either by express or freight, to incorporate among their reforms for the new year, some system whereby weights and charges based on weight, can be readily verified, and whereby charges on prepaid packages cannot be again collected at destination without the certainty of detection.

---

## Tree Talks

### VI

#### FOREST PLANTING

In planting trees in large quantities, as in forest planting, the land should be ploughed during the summer if possible, and the following spring marked out in rows four feet apart each way, and the young trees planted at the intersections of the furrows. All deciduous trees, that is, trees that drop their leaves, should be planted as early as the weather will allow, which in New England is usually from the last of March to the middle of May; evergreens from the middle of May to the first of June. The roots should be well spread and planted firmly, the same as older trees. If a cultivator could be run both ways between the rows four or five times, each season until the end of the second season, it would be of great benefit to the trees. After this the trees would begin to cover the ground and further cultivation would be unnecessary. If the land is such that it cannot be ploughed, the trees may be planted in the sod ground the same distance apart, merely making a small hole to plant the tree in by turning over the sod with a spade.

All trees for forest planting should be small, say from one to three years old. The roots of all trees, whether old or young, should never for a moment be allowed to become dry; and, if the weather is very dry, it is well to puddle them, that is, taking a pail of water and stirring in a few shovels of earth, making it about the thickness of gruel, and dipping the roots of the young tree into it before planting; this keeps the roots from drying up.

#### CARE OF STREET TREES

All large trees should be well watered in extremely dry weather, especially those on city streets. A little dash of water is no good; make a large basin around the tree that will hold a half barrel or more; fill this up, and as it has soaked in the ground, fill again, so that the roots of the tree may be well moistened; then fill in the loam and mulch around with short manure or other material. A tree treated in this way will seldom need more than one or two waterings during the season, unless exceptionally dry. All street trees, or, in fact, any large or even small trees should be properly staked, so that the wind will not have any effect upon them, and also to keep them straight. Street trees need but little pruning, although they are often well butchered. It is true that many old trees might be in part renovated by

pruning or cutting in the tops. (For a treatise on this subject get "Tree Pruning, by Alphonse de Caws, translated by Prof. C. S. Sargent from the French, for the Massachusetts Society for Promoting Agriculture.) We have used this system to renovate very straggly, worn out oaks in the Arnold Arboretum, and the result has been good.

#### TOO MUCH PRUNING

Young or ordinarily healthy trees need but little pruning; the thinning out of any limbs that interfere with each other, or where they may be too crowded, and the shorting in of any straggling limb to balance the tree is usually enough. Generally there is too much tree pruning; the tree is cut and hacked to death by irresponsible persons, who will persuade you that your trees need pruning whether they do or not; and, to show how much it needed it, the tree is hacked to pieces.

In the large parks and cities there should be a nursery for the training and growing of trees to a suitable size for street planting. Select from ordinary nurseries strong, finely developed young plants of the kind needed, and have them trained, pruned and grown to the size and shape required.

#### SYSTEM IN PLANTING

All tree planting should be under the care of an intelligent man or men, who understand their business and who have the time and opportunity to study the ground and surroundings; otherwise, where each abuttor plants the trees he likes the best, assorting to his own taste, it involves much diversity and inequality in the selection of trees, both in shape and size. Each street should be planted with one kind and size, as nearly as possible, and at proper distances from the curbstone and each other. Uniformity in this respect can be obtained only when the work is done under municipal authority. This method has been successful in the leading cities of Europe, and in Washington, which is probably the best planted city in the world, where the street has been graded and planted under the authority of a special commission, which had faithful men who followed out the plans of their leader and understood the habits of the trees. If this could be followed out by other cities it would be better. The great trouble is that our people all have a mind of their own and do not want to be subordinate to anyone else; hence so many mistakes.

Every farmer or fruit grower has to fight insects and fungus with insecticides. Eternal vigilance with them is the price of success. Shade and ornamental trees have their enemies as well, many of them more so, and the city, town, or people who want beautiful trees will have to exercise the same vigilance.

*Jackson Dawson*

*Arnold Arboretum.*

# NEWS OF THE CLUBS AND SOCIETIES

## NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual meeting of the Nassau County Horticultural Society was held at Pembroke Hall, Glen Cove, Dec. 9.

The report of the judges on the yearly points contest awarded to H. F. Myers the gold medal for the most points and to V. Cleres the silver medal. It was decided to continue the point contest another year. Adolph Jaenicke offered to give the gold medal for next year. Charles Bertanzel offered to silver and S. J. Trepass the bronze medal.

There was a fine exhibition of flowers and fruits for which awards were made as follows: H. F. Myers for vase of roses; P. H. Ruel for three vases of carnations. Frank Gale for a dish of tomatoes, and Valentine Cleres for asparagus, each receiving certificates of culture. Frank Petrocchia for violets was given honorable mention. The treasurer's report showed a balance on hand of \$376.43.

It was voted to present to the secretary and to the treasurer \$50 each in gold as a token of appreciation for their valued services. A vote of thanks was extended to the committee on fall exhibition, which did excellent work. The election of officers resulted as follows: President, John Everett; vice-president, James Elmslie; secretary, Henry Gaut; corresponding secretary, W. Mackenzie; treasurer, Ernest Brown. It was decided to increase the membership of the executive committee to seven. These were elected: James Duthie, chairman; James Holloway, Charles Bertanzel, V. Cleres, John Ingram, Thomas Harrison, John Devine.

## AMERICAN ROSE SOCIETY.

The committee, Messrs. Simpson, May and Pierson, appointed by President Poehlmann, met in New York City, Dec. 21st, and discussed plans to revise the exhibition schedule. One plan was to incorporate all the latest American roses as special premiums, and to encourage the greatest possible number of all classes of exhibitors. The work was found to call for close attention and the committee could not finish the work at one sitting. At present there are \$715.00 cash prizes available, and three silver vases of fine grade. The latest donors are W. J. Palmer & Son, Buffalo, N. Y.; J. A. Budlong, Sons & Co., Auburn, R. I.; J. A. Valentine, Denver, Colo.; and Vice-President Wm. F. Kasting, Buffalo, N. Y.

We have reports that the florists of Buffalo and their Western friends are making preparations in earnest for their share of the work and will begin right after the holidays. The Iroquois Hotel may be selected as the place for the exhibition. According to the society's by-laws, the opening day will be the fourth Wednesday in Lent, which this year will be on March 17th, 1909. The annual meeting will open on that day. The exhibition will be held in conjunction with the Buffalo Florists' Club. All prizes should be forwarded as soon as possible to the secretary, whether cups or cash, so

that entry may be made and the prizes delivered immediately through the proper official channel at the close of the exhibition.

BENJAMIN HAMMOND, Sec'y.

## ELMER D. SMITH.

The new president of the Chrysanthemum Society of America, like many others who have attained eminence in some chosen field of horticulture, is a very modest and unassuming gentleman, and it has taken some persuading to induce him to have a photograph taken. The reproduction which we have the pleasure to present herewith is, like the original, minus frills or retouching, and will be recognized by those who know Mr. Smith as an excellent likeness.

Elmer D. Smith was born at Detroit Nov. 30, 1854, but has resided in Adrian, Mich., since 1857. He first became interested in the chrysanthemum by hearing John Thorpe's paper



ELMER D. SMITH

President-Elect Chrysanthemum Society of America.

on this topic at the S. A. F. meeting in 1887. As junior member of the firm of Nathan Smith & Son he became extensively known as the originator and disseminator of many sterling novelties. He was for many years the active member of the company. Since January, 1908, he has conducted the business under his own name.

He has served on the Executive Board of the S. A. F. and rendered signal service to the cause of horticulture in various capacities.

## WESTERN ASSOCIATION OF NURSERYMEN.

The Western Association of Nurserymen met at the Coates House, Kansas City, Mo., on Dec. 15, and elected officers as follows: President, A. T. Brown, Geneva, Neb.; vice-president, E. S. Welsh, Shenandoah, Ia.; secretary, E. J. Holman, Leavenworth, Kan. The tariff on imported seedlings, etc., was discussed but it was decided that no change in tariff would be asked for.

## THE AMERICAN CARNATION SOCIETY.

In reply to a request from the secretary for special rates for our meeting in Indianapolis, Ind., Jan. 27th and 29th, the following communication has been received:

"Your application for excursion fares for the occasion of your meeting has been presented to a meeting of lines identified with the Central Passenger Association, convened on the 9th inst. It was decided, after careful consideration, that they could not, in view of the recent legislative action establishing a maximum passenger fare of two cents per mile in the states in which they operate, consistently grant the concession requested for your approaching convention."

In view of the above facts it will be well for members to arrange to leave from a central point and get club tickets. Most offices sell a club ticket at considerable reduction to parties of ten or over. As the two cent rate applies, I presume, on all west of Pittsburgh, the fact of no concession being granted need not keep any one away, as the fare will be very little in excess of what it has been for other meetings, and you will have the advantage of having no restrictions placed on your method of travel. If you want to stop off at various points en route it can easily be arranged on a straight ticket.

We want everyone interested in Carnations to attend this meeting and exhibition. The money spent will be money well invested.

## Carnations Registered.

By Patten & Co., Tewksbury, Mass. —Sara Nicholson. Parentage, Ethel Ward crossed with Harry Fenn; color, glowing crimson; size of flower, three inches; habit, etc., an upright grower, very free and fragrant; a commercial variety, early and continuous bloomer. Genevieve. Parentage, Lady Bountiful crossed with White Lawson; color, pure white; size of flower, 3-1-2 to 4 inches; habit, etc., strong, upright grower, fragrant, classed with the fancies.

ALBERT M. HERR, Sec'y.  
Lancaster, Pa.

## SOCIETY OF IOWA FLORISTS.

The Society of Iowa Florists met on Dec. 9th in the horticultural rooms at the State House, Des Moines, Ia., with quite a large attendance, there being about seventy present, although not all were florists. The meeting was quite enthusiastic, and much interest was manifested in the various subjects brought up for discussion.

Among the papers read were the following: "Roots," by Peter Lambert, Des Moines; "Porch Vines," G. A. Heyne, Dubuque; "Some Problems in Roots," G. D. Black, Independence; "Sod and Sodding," Professor Shimek, Iowa City; "Plan of Eden," F. C. Pellett, Atlantic; "Commercial Floriculture," Chas. N. Page, Des Moines.

About twenty new members have joined the society recently, and it is hoped to secure the membership of every live, up-to-date florist in the state.

CHAS. N. PAGE.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

### The Next National Flower Show.

The cup offered by Ellwanger & Barry, Rochester, New York, not having been won at the late National Flower Show, has been turned over to the undersigned, by the donors, to be offered as first prize at the next National Flower Show.

There has been much talk of the next National Show, but so far as the writer knows, this is the first really tangible offering which has been made. Should any other firms or individuals see fit to make any offers in connection with the next proposed show, the writer will be very glad to accept them temporarily and turn them over to whatever organization may be made for the purpose of conducting another show.

W. N. RUDD, Sec'y.

Morgan Park, Ill.

### VIOLET GROWERS' MUTUAL ASSOCIATION.

The violet growers of Rhinebeck, N. Y., have been incorporated under the laws of the State of New York.

One hundred and twenty-three growers, representing over one million square feet of glass, have joined already and more are to follow. Much enthusiasm is shown and it promises to be a success for both ends, although only the one end is likely to be acted upon at present, except to compare notes and select and favor those dealers showing the most justice to the members of the association. They already have a list of the bottom wholesale prices on coal, manure, boxes, paraffine paper, twine, sulphuric acid, cyanide of potassium and minor supplies which such a representation could use in very large quantities and reduce cost to a minimum.

### DETROIT FLORIST CLUB.

At the last meeting of the Detroit Florist Club it was decided to change quarters and move into larger rooms in the Cowie building. A hearty vote of thanks was offered to the Michigan Cut Flower Exchange, which in response through Mr. Dilger assured the club that in future their rooms will be at the club's disposal for special meetings or the like at any time. January 7, 1909, will be Ladies' Night in Harmonie Hall, and a very interesting program has been mapped out. B. Schroeter read a most interesting paper on Christmas 37 years ago, bringing out the fact that Christmas then held no excitements in store for the florist but New Year's day was quite important. The trade mainly was in flowering plants and decorations were only used in churches. Christmas greens were unknown quantity, as also flower boxes or covered wagons. Poinsettias, primroses, callas, camellias and Marechal Neil roses were the principal flowers.

### TOLEDO FLORISTS' CLUB.

The Florists' Club had a very lively meeting at H. A. Mills' on Dec. 16. We expected to have a big flower show in February with several hundred dollars as prizes, but the project fell through. Our next meeting will see some lively competition, as several members have

offered cash prizes for various things, and we also expect to have a sample dozen of each of the new carnations and roses for this meeting.

### CLUB AND SOCIETY NOTES.

The Western New York Horticultural Society will hold its annual meeting in Rochester, January 27-28.

Jesse C. Stevens of Centerville is the newly elected president of the Wayne County Horticultural Society, Ind.

The Iowa Horticultural Society at its meeting in Des Moines on December 10 re-elected its board of officers for the coming year.

The Totowa Dahlia and Flower Growers' Association of Paterson, N. J., held their second annual smoker on Dec. 11, which was well attended.

A banquet at the Phillips House on January 11 for the members is the next interesting feature on the program of the Dayton (O.) Florist Club.

George McWilliam of Whitinsville, Mass., has invited the members of the Worcester County Horticultural So-

ciety to visit his greenhouses while the calanthes are in bloom.

The Stark County Horticultural Society met at Canton, O., Dec. 16, and elected O. W. Foust, president; E. F. Graybill, vice-president; Mrs. S. O. Eggert of Massillon, secretary.



JAMES ROBERTSON

President-Elect Newport Horticultural Society.

The Missouri Horticultural Society elected officers as follows at its recent meeting: President, A. T. Nelson; vice-president, W. D. Maxwell; secretary, Geo. T. Tippin, Nichols Junction.

The florists of Rockford, Ill., have organized a club with seventeen charter members and as many more prospective members. George S. Birks will be president and M. C. Sadewater, secretary.

The Westchester County Horticultural Society met at White Plains, N. Y., on Dec. 18, and elected officers as follows: President, Oliver Harri-man; vice-president, L. C. Platt; secretary, Daniel Maloney.

The Utica (N. Y.) Florist Club met with E. J. Byam of Rome. The stormy weather prevented a large attendance but those who were there enjoyed the

evening. The next meeting will be with W. H. Weston, 277 Rutgen St., Utica.

The Montreal Gardeners' and Florists' Club at the meeting on December 7 elected the following officers: President, W. G. Pascoe; vice-presidents, Julius Luck, H. J. Eddy; secretary-treasurer, W. H. Horobin; assistant secretary, Thomas Arnold.

Wayne County Horticultural Society, Ind., at their meeting on Dec. 12 elected the following officers: President, Jesse Stevens; vice-president, Thomas Elleman; secretary, W. S. Ratliff; corresponding secretary, Wallace Reynolds; treasurer, T. E. Kenworthy.

On invitation from the Retail Florists' Protective Association of New York, seven members of the Wholesalers' Protective Association were present at the meeting of the retailers at the Waldorf-Astoria on Friday, 18th inst., and matters of mutual interest were discussed.

### NATIONAL APPLE SHOW.

Michael Horan, orchardist, stock-grower and banker at Wenatchee, Wash., and a native of Stockbridge, Mass., is the apple king of America, having gained that distinction by capturing the chief prize of \$1,000 for the best carload exhibit at the National Apple Show in Spokane, December 7 to 12, when \$35,000 in premiums was awarded to competitions from various parts of the United States. Washington growers took 58 first prizes, Canada captured 15, 11 went to Idaho, one to Montana, and the rest were scattered. Much to the disappointment of the management and the thousands of visitors, representing every state and province on the continent, practically all the fruit sent from the states east and south of the Rocky mountains was spoiled in transit. The apples had been taken out of cold storage and were sent to Spokane in heated cars, thus making them unrepresentative. To show the displays would have been manifestly unjust to the districts, so Harry J. Neely, secretary and manager, decided not to place them in competition or on exhibition, though prize moneys, medals and diplomas will be forwarded to the growers from every state entered in the district.

Records at the stiles showed 102,762 paid admission tickets, 4,000 season tickets and several hundred press and complimentary tickets, bringing the total attendance to 107,000 for the week. The statement of the daily paid admissions follows: December 7, 14,352; 8, 14,070; 9, 18,000; 10, 20,070; 11, 19,270; 12, 17,000; total, 102,362. The first exhibition of its kind and scope was so successful that it will be made an annual affair. It is likely that the prize-winning displays in 1909 will be sent to Chicago or some eastern city for exhibition purposes.

James M. Zion of Clarksville, Ind., is actively working for the introduction of a bill in the Legislature abolishing the office of State Entomologist and substituting a State Commissioner of Horticulture who shall be a skilled horticulturist. It will be identical with the Goodwine bill of two years ago.



## PARIS AUTUMN SHOW.

[This account has been crowded out of our columns by the publication of issues but will, we hope, still be found interesting reading.]

Once again it has been our pleasure and privilege to visit the great autumnal display of chrysanthemums, fruit and vegetables annually held by the National Horticultural Society of France. It is a matter for extreme regret that the show which opened on the 6th of November and lasting to the 15th will be the last of a series of brilliant horticultural shows, for the huge greenhouses on the Cours la Reine lying between the Champs Elysees and the river Seine are doomed to demolition.

On our arrival on the opening morning we were welcomed at the entrance by many old friends: M. Viger, the president; M. Abel Chatenay, the secretary; M. Truffaut, and many others, anxious to receive the visitors with a courtesy peculiarly characteristic of our French horticultural friends. After a few handshakes and introductions to new acquaintances we pass through the gate and enter the spacious promenade leading up to the show. We are no sooner through the entrance than we at once begin work, for on our right and on our left we behold fine groups of hardy ornamental shrubs alternating with long lines of trained fruit trees that extend the whole length of the promenade in double rows. From Alfred Monnier we notice several of these ornamental groups, and there are also some from M. Leconte in which we observe a very choice assortment of conifers, hollies, euonymus, box, aucuba, etc. A little farther along the path of the central promenade we come to the usual display, at all these French shows of numerous trained fruit trees in diverse forms and uses known only to the French fruit culturist. Here euonymus, conifers, hollies, abies in variety, cupressus, are set up in large beds in the open, tastefully arranged in the usual French style and comprising many hardy ornamental shrubs of great merit. Culture and tasteful arrangement are irreproachable, and before entering we cast an appreciative glance at the extensive exhibits of greenhouses, garden pottery, heating apparatus, stationery and every conceivable accessory connected with the garden art—a display of gigantic proportions, which materially helps to vary the charm of this great show and to interest the visitors.

Entering the show we turn our steps towards the orchids, which are staged in two side rooms specially set apart. In one of these rooms, on our left, a handsome and imposing display presents itself to our view. It is practically the result of one firm of exhibitors of repute, viz., A. Truffaut & Son, comprising azaleas, dracaenas in great variety, anthuriums, ornamental foliage plants, begonias, etc., arranged artistically. Opposite, in the other room, are several collections of orchids from well-known Parisian cultivators, such as Maron & Son, Lesueur, Regnier, Beranek and others.

On emerging we are again in the dome-like entrance to the first greenhouse. In a series of several shaped borders we find Vilmorin-Andrieux & Co. have sent one of their representative collections of chrysanthemums.

They are mostly pot plants, dwarf, bush, and standards, the whole edged with a border of brightly colored pompons behind a green turf verge. Another exhibit from the same firm consists of a very large rectangular sunken garden with sloping sides towards the middle. On the lower level a geometrically arranged bed containing blooms graduated in great diversity of color with huge centre trained plant of yellow Japanese in bold relief. Along the sides are huge trained specimens of several fine varieties set up in beds cut out of the turf, many of them purely French show varieties unknown on our side.

New seedling chrysanthemums are always a feature at the Paris show, as also at the provincial ones, and special classes are provided for them. The lot from Ernest Calvat was superb in size and in color, and with them we must deal separately at some future time. Another lot came from the Marquis de Pins, but these were wanting in brilliance of color. Far more attractive in this respect were some of the novelties by Chaubrier, although the seedlings of this grower lack the proportions of the two first named. Heraud, Nonin, Dolbois, Vilmorin and others also staged novelties, and the floral committee had no easy task when it came to awarding the first-class certificates. The result of the floral committee's deliberations were: eighteen certificates to Calvat, eight to Vilmorin, eight to Nonin, seven to the Marquis de Pins, five to Chaubrier, five to Heraud, and seventeen to other exhibitors less well known to our readers.

In the chrysanthemum exhibits of cut blooms and pot plants we must notice M. Pechou's capital collection of fine cut blooms, which were staged in style on a rectangular grass lawn. Among them, and there were many others equally fine, Pres. Loubet, Mrs. Mease, Jean Calvat, Sapho, Calvat's Sun, Polypheme, Souvenir de Reydellet were striking examples of good culture. Another exhibitor, M. Robillard, had also a very interesting and artistic display of good cut blooms, mostly varieties of purely French origin, and therefore not much known to our readers. In Ernest Masselin's lot there were good blooms of great size and substance, such as Marquis de Pierres, Sans Souci, F. S. Vallis, W. R. Church, Tokio, Mrs. Dalton, all exceptionally fine.

M. Martin had a nice group of Miss Alice Byron in quantity, and also many other good varieties. Another good lot were staged in fine form by Durand, consisting of cut blooms only. Lachaussee staged some fine Japanese in a long group of plants in pots, large blooms, mostly three or four on a plant and deserving mention.

Opoix, the head gardener to the Luxembourg Garden, had a tastefully arranged lot of blooms, chiefly of the Japanese section, edged with maiden-hair ferns. Single-flowered varieties, Baronne de Vinols and several of its sports, including also a few pompons, helped to brighten up this lot in the most effective manner. The Asile de Ville Evard exhibited a fine group of pot plants, edged with Gerbe d'Or pompon—a very popular favorite for the purpose in Paris. J. H. Leconte also exhibited another collection of only medium sized blooms and rather too

closely packed. From another exhibitor, Giblin, came a curiously arranged and novel group. Large trained specimens carrying big show blooms were set up in rows at the back, while three rows of very large cut blooms in vases were arranged in front.

Cordonnier & Son occupied the far end of the first greenhouse with four collections composed of specimen blooms of the highest merit, arranged on the ground level in different beds.

Leveque et fils made an imposing plant display, nicely set up and a good color arrangement throughout, also nicely grown cut blooms.

A prominent exhibitor at the Tours show also competed at Paris. This was Pinon, whose curiously trained plants made a most imposing display. They consisted of tall pyramids, in variety, with fan shaped, and other curious designs, stars, etc. A noted exhibitor of grafted chrysanthemums who has made many successes in Paris is Leon Cavron. On this occasion he was well to the front as usual with a most comprehensive and varied collection. A. Govignon's collection was made up of very dwarf plants in pots sunk in the ground. They were chiefly medium sized blooms and comprised some well-grown examples.

Carnations were staged in large masses by several good growers. We can only name a few and of these Leveque et fils, who are famous for their roses as well as their carnations, made a fine display in two lots. The Ecole Plessis Piquet also showed carnations and a good exhibit from Beranek of the same flowers was also on view.

Floral decorations are also a grand feature. The celebrated florist Lachaussee of the Rue Royale, known to every American visitor to Paris, had a most artistic lot of chrysanthemums, orchids, autumn foliage, roses, etc., arranged in vases on pedestals, some on tables and various other designs, with a background of palms. Ed. Debrie had table and other floral decorations in pots and vases in similar style to the preceding.

On entering the corridor we notice a collection of Anthesis White Perfection and cyclamens by Aubert Maille.

The far right hand corner of the corridor was reserved for the literary and artistic exhibits in the so-called Retrospective Exhibition. Many old books, drawings, prints, pottery, etc., were staged here illustrative of the chrysanthemum. Momefa of Paris and Harman Payne of London made the finest display. Other exhibitors were Nonin, Roselle, Vilmorin, Baltet, the Library of the Society, etc. Cayeux and Leclerc staged various flowers in season. Francois large plants of chrysanthemums grown in tubs, with a very good collection of cut blooms in front. Close by was the lot from Lecolier consisting of hardy shrubs.

Fruit throughout the show was grandly shown, and there must have been many tons of it in the many fine lots we saw. So vast was this part of the show that we can only refer to it in the briefest way.

As an instance of the competition, we may mention that in one grape class alone there were twenty-one prizes awarded and in another twenty.

Turning down the flight of steps leading to the promenade by the river Seine we see Vilmorin Andrieux & Co.'s



A FRUIT EXHIBIT AT BOSTON  
By Isaac Locke & Co.

collection of vegetables, an enormous lot of everything in season such as only they can present to the public view. Exhibits from other well-known firms contained every vegetable in season the kitchen garden could supply.

In the second large greenhouse we have as much to see as in the first, but space is limited and we must summarize. Hydrangeas by Desire Ramelet were well staged. Ferard staged several beds containing *Primula obconica*, cyclamens and maidenhair ferns.

One of the chief features of the Paris Autumn Show is the begonias, and of these we noticed a fine lot staged by M. Billard of single and double flowered varieties, arranged in colors by themselves and forming a most effective display. Vallerand, who also is a marked grower of begonias, cyclamens, gloxinias, etc., had a very fine lot effectively arranged.

From Adnet of Cap d'Antibes, there came a remarkably interesting exhibit consisting of a choice collection of hybrid Gerberas. He had numerous varieties of many shades of color, quite a number of which received first class certificates. One of the attractions here was George Truffaut's display arranged on a circular lawn—a huge monument of white lilac, at least 9 feet high in the centre with clumps of lily of the valley arranged on a bed of dark green moss around the base.

In the chrysanthemum section here, Aug. Nonin had several groups containing many of the choicest exhi-

bition, decorative and other varieties. We only refer to a few varieties: Tout Paris, W. Duckham, Glorie de Vanves, Sapho, Naples, W. R. Church, Mrs. Coombs, A. J. Brooks, Paul Raudet, Duchesse d'Orleans, etc. are all very fine. E. Rosette also had a lot of fine cut blooms of popular varieties. Victor Gautier, Paul Feron, Guinle and Sarron had collections of plants and cut blooms respectively.

Altogether there were 319 exhibitions in the various classes. The following are a few of the leading prizes: Grand prix d'honneur to Crous et fils for fruit and fruit trees; grand prix d'honneur to Ernest Calvat for new chrysanthemums; and prix d'honneur to the following: Salomon et fils (grapes), Pinon (trained chrysanthemums), Leveque et fils (chrysanthemums and carnations), Lachaume (floral decorations), Colin (cut chrysanthemums), Lesueur (orchids) Goubelin (fruit), Vallerand (begonias, etc.), Valtier (vegetables).

M. Fallieres, President of the French Republic, visited the show on the opening morning.

#### Apples and Pears at the Paris Show.

The display of these fruits at the Paris Autumn Show is always one of the wonders of French horticulture. They are frequently staged in huge semi-circular pyramids, sometimes in other ways, one of the most remarkable this year being a huge slope of many square feet in area containing

pears. The varieties are practically innumerable and probably of little account in America. It is remarkable the great number of pears there are of French origin and the fine appearance they make on the show tables.

A few of the leading varieties of apples may be mentioned by way of curiosity for the readers of *HORTICULTURE* and of these I noted Calville Blanc, Grand Alexander, Reinette du Canada, Belle de Pontoire, Menagere, Reinette Blanche, Brebaur Bellefleur, Bismark, Belle Josephine, Roi d'Angleterre, Belle du Bois, Calville Rouge d'Hiver, Jeanne Hardy, most of which were shown in immense quantities.

As for the pears they are far more numerous. There is a whole host of Beurres and Doyennes and one needs to be a specialist to know their particular qualities other than merely pleasing the eye. Some of the most popularly shown are Beurre d'Aremberg, Doyenne d'Hiver, Belle Angevine, Passe Crassane, Doyenne du Comice, Duchesse d'Angouleme Beurre Diel, Beurre Hardy, Charles Ernest, Cure, Beurre Clairgeau, Le Lectier, Belle de Berry, Catillac, Fondaut des Bois, Beurre Magnifique, Olivier de Serres, Fondaut de Malines, Directeur Alphan, Notaire Sepin, Souvenir de Jules Guindon, Marie Benoist, Nouveau Poitcan, Beurre Bachelier, Beurre Van Gurt, etc. For exhibition these are certainly handsome looking samples and are generally in view at most French shows.

C. HARMAN PAYNE.

### LIME-SULPHUR AS A SUBSTITUTE FOR BORDEAUX MIXTURE IN SUMMER SPRAYING.

Most every fruit grower is familiar with lime-sulphur spray used as a winter spray for the destruction of the San Jose Scale but very few know or have heard of it being used as a summer spray both as a combined insecticide and fungicide. While bordeaux mixture had proved such a friend when we first commenced using it, in the last few seasons it had proved so treacherous and wrought such damage at times, that one was never sure when using it what the result would be. It creates such an uneasy feeling among growers, than consequently we are ready and willing to try anything that has possibilities. We had heard that the growers of California were using a prepared lime-sulphur mixture known under the name of Rex very successfully and also that away up in the northwest they were using the same spray, and also another brand of the same thing under the name of Niagara. As the climatic conditions in both these sections were so different from our own the only way to prove whether we could use it here as successfully or not was to get it and try it. So 100 gallons of Niagara and a little later 250 gallons of Rex were ordered. Then the question was how much to dilute it. Could get no word from California but the northwest had reduced it 1 to 15—that is, one gallon of the mixture to fifteen gallons of water for apples and 1 to 20 for the peach, without injury. So taking into account the difference between our two climates, decided to reduce it still further—making it 1 to 25—but after corresponding with Prof. W. M. Scott of Washington, D. C. on his recommendation reduced it 1 to 40. The first spraying, before the blossoms, had already been done with the bordeaux mixture 4-4-50—before the lime-sulphur mixture had been received. It was the first intention to use simply the arsenate of lead spray just after the blossoms fell, putting it on very heavy. That is, using about 4 or 5 lbs. of arsenate of lead to the 150 gal. tank, but putting the spray on very heavy, so there would be no doubt about getting a little of it into the blossom end of the little apple, and then following it right up with the Rex spray 1 to 40. But owing to excessive wet weather delaying the first spraying, this plan had to be abandoned and the Rex and arsenate of lead had to be combined. The Rex lime-sulphur was used in the main part of the orchard and the Niagara in the part set aside to testing the different makes of arsenate of lead.

#### A Mysterious Burning.

After a little over half of this orchard had been sprayed, noticed a slight burn where we had used the Rex but none where we had used the Niagara. Thinking that there was a little too much burn and the scab showing up very plainly all over the orchard, changed the spray for the bordeaux but only used the 2-4-50 mixture, with a result of the worst burn we ever experienced, or ever saw in any other orchard. Now this burn proved considerable of a mystery. Thorough investigation failed to find a thing wrong in any of the materials or with that spray was mixed and every hand on the job was ready to swear that

the right quantities were used. It is true that for those same two days, the atmosphere had that peculiar condition when everything burns. Neighboring orchards showed burn also for those same two days but not nearly so bad and they were using 3 lbs. copper sulphate. This burn was so bad, that for a time, it was questioned whether those trees would pull through or not, but being strong and vigorous, having been well cared for in previous years, they soon commenced to put forth a new set of foliage but made very little wood growth. After the new leaves had pretty well developed the trees were covered with woolly aphis, but a spray of Rex 1 to 40 soon wiped them out.

#### Prepared Mixtures Preferable to Homemade.

This spray also showed a slight burn. Arsenate of lead was also added to this spray. Now it is claimed by good authorities that you cannot combine arsenate of lead with lime-sulphur mixture—that one neutralizes the other. If this is a fact how much of this injury was due to this cause? It will take higher authority to answer this question as it is work for the chemist. The home prepared lime-sulphur mixture will never become popular with the masses on account of the trouble of making it. Then again it is difficult to spray on account of clogging the nozzle at times. If the Rex or Niagara or any other prepared mixture of the same materials can compete successfully in price with the home made and be just as strong there is no question but what they are the best and if they only prove successful will be the easiest spray made, for you do not need even an extra barrel, for you can dump your quantity right into your tank of water and go to spraying. They are in the form of a clear amber liquid with no sediment. The home made keeps an extra hand all the time watching the "pot" while the prepared would do away with the mixer entirely. Then again it is such an easily prepared and convenient spray to use on things planted around the house and garden. All you have to do is to put about a pint of this prepared liquid into a 3-gallon knapsack or Auto Pop sprayer filled with water and go to work. We have a very choice grape—name unknown—but suppose it must be one of Rogers' Hybrids as we bought quite a lot by number years ago. It was almost impossible to get it through any season without losing its foliage followed, of course, by the fruit. But this spray just carried it through in perfection.

#### Some Interesting Conclusions.

The same thing with the roses and strawberries; it does not leave a spotted leaf. Also found it fine for rust or blight on celery. In fact it was an ideal spray on everything in the garden line, but it couldn't get away with the old fashioned blister potato bugs. There was one thing about it, though; don't know whether it was owing to the season or the spray; you couldn't go over ten days or two weeks without spraying. Now if this spray will kill San Jose and other scale by contact, how strong will it have to be to kill the codling moth and other insect eggs; and will a tree in full foliage stand it at that strength? This is a question that I should think could be worked out this winter in the la-

boratory by some enterprising student. Another dream; even if we cannot make the spray strong enough to kill the eggs, if we could gauge the main hatch and time one of our sprayings accordingly we would make some of those little insects think that a small chunk of "hereafter" had struck them sure.

Now, while these prepared sprays have not proved much of a success, this season, where is there one that has? Old and tried sprays that we thought we knew all about, have gone back on us. Even arsenate of lead, if we had been trying it for the first time, we would have pronounced a failure. This has been a very peculiar season, the like of which we have never experienced before. There was so much damaged foliage, and it was so susceptible to everything that touched it, that no matter what spray you used, or how much reduced, there would be some injury. There is nothing that we are sure of or can verify this season, so the only thing we can do, is, in the vernacular of the race track, when under certain conditions they declare "all bets off," to declare all sprays off.

H. E. ALDRICH, Neoga, Ill.

### FLORICULTURAL EDUCATION AT AMHERST, MASS.

The short course in floriculture at Massachusetts Agriculture College promises to be a great success. Already applications have been accepted to about the capacity of the teaching equipment. It has been decided, however, to accept twenty for this course, instead of fifteen as originally planned. It is regretted that the new instruction building and the greenhouses will not be finished before Feb. 15th, or all who desired the course would be accommodated. The practical men are giving the course their most hearty support and the talks by experts promise to be especially valuable. The following have consented to assist in this course: W. H. Elliott, Brighton, Mass., "Rose Growing as a Business"; Eber Holmes, Montrose, "Roses"; M. A. Patten, Tewksbury, Peter Fisher, Ellis, "Carnations"; E. O. Orpet, South Lancaster, "Orchids"; William Sim, Cliftondale, "Sweet Pea Culture Under Glass"; Wm. J. Stewart, Boston, "Wholesale Marketing"; George Sinclair, Holyoke, "Chrysanthemums"; E. J. Canning, Northampton, Mass., "The Work of the Private Gardener." It is expected that Mr. Sykes of Lord & Burnham Co. will speak on "Greenhouse Design and Construction"; also Mr. Andrew Rider of the same firm on "Greenhouse Heating." Several other experts in various lines hope to assist but definite arrangements have not yet been made. In addition to these talks the daily lectures and laboratory exercises in floriculture, soils, fertilizers, insects, and diseases promise to make a busy ten weeks. Professor White is planning Saturday morning observation trips to various greenhouse establishments. These will include the commercial ranges of Field, Northampton; Beach, South Hadley; Sinclair, Holyoke; Beals and others, Springfield; Pierson, Cromwell, Conn., and many more, and to the conservatories at Smith College, and Mt. Holyoke College.

This year's farm crops in America are worth Eight Thousand Million Dollars.  
Leave us alone and BUSINESS WILL BOOM.

## READ THIS

# GIGANTEUM FOR 1909

Giganteum is today the best commercial lily produced in quantities for florist's use. Any grower should be able to force them for Easter. Retarded bulbs can be forced in from 12 to 16 weeks. Good Gigs can always be depended upon.

Inferior bulbs are planted near the top of the soil, so they will round out and grow to the required size quicker and bring quicker returns. Superior bulbs are planted deep down in the soil, requiring more cultivation, making them stronger before they grow to size, and consequently cost more to produce.

Your experience tells you to buy the best, because the cheapest often cost the most. Remember "He who gives something for nothing, expects something for nothing in return." Always buy the best and you will generally get it.

Our bulbs come direct from the plantations owned and controlled by Mr. Seitaro Arai, the largest grower and exporter of high class bulbs for florists' use in Japan. You may write him direct if you wish, or write us for prices, stating quantities you can use. You incur no obligation whatever in writing us. **Jobbers and growers supplied only.** Cases may be stencilled to order. Strictly wholesale.

**SEITARO ARAI,**  
No. 1, Onoecho,  
Yokohama, Japan.

**ORDER**



**RALPH M. WARD & CO.,**  
12 West Broadway,  
New York City.

**NOW.**

Longiflorum, Multiflorum, Giganteum, "Formosae, Auratum, Album, Rubrum, Melpomene, Magnificum, Fern Balls, Bamboo Canes, etc., etc. Aspidistra, Seeds, Selected Nursery Stock of all kinds.

## Obituary

### Charles Baltet.

Charles Baltet is dead! These words will be repeated the wide world round wherever horticulture is known, and repeated with regret. The great French pomologist, whom it has been our privilege to know and to be associated with officially, is no more, and we can scarcely realize the fact. Three years have elapsed since we last met him, when as members of the "Jury Supérieur" at the Paris International Horticultural Show we with several other old friends assisted in awarding the prizes.

Charles Baltet was a wonderful old man. As a pomologist he was probably without an equal, as a writer one of the most prolific, for his works would fill a small library, by themselves. He was descended from a race of French gardeners and was born at Troyes in the department of the Aube, where he lived all his life and carried on the business of a nurseryman. His erudition, aided by a facile pen, enabled him to give to the world at large the benefit of his great knowledge in a series of works the very enumeration of which is scarcely practicable in the limited scope of an obituary notice. Taking the entries under his name in the catalogue of the National Horticultural Society of France we find thirty-nine, and since the date when that catalogue appeared this grand old man of French horticulture has still been busy and added to the list. His name is written large in the annals of horticulture, and so long as men and women interest themselves in the art of gardening Charles Baltet's name will live.

He was a generous supporter of everything relating to his profession. He was a member of many important societies and institutions, a frequent contributor to the horticultural press and a good citizen who was held in high esteem by his townsmen. But his fame spread far beyond the town

of Troyes. Some of his books were translated into other tongues and as a reward for his labors he was the recipient of many decorations from various governments besides his own.

He was buried on the 27th November in his native town, full of years and full of honors, for as Officer of the Legion of Honor, he was accorded a military funeral and was followed to his last resting place by all the notabilities of Troyes and many others desirous of paying the last mark of respect to the great French pomologist.

Among the funeral orations we understand that M. Abel Chatenay and M. Nombrot from the Paris Society were called upon to speak in testimony of the departed one. C. H. P.

### F. M. Strong.

Frank M. Strong, born in Tioga County, N. Y., April 28, 1880, died in Grand Rapids, Mich., Dec. 13. Mr. Strong has been identified with the flower and vegetable growing business of Grand Rapids for the past twenty-five years. He founded the Grand Rapids Floral Co., and at the time of his death was president of the Grand Rapids Greenhouse Co. A widow, one son, a brother and a sister survive him.

### Hugh Mehorter.

Dec. 16th, 1908, Hugh L. Mehorter, a prominent associate member of the Florists' Club of Philadelphia, passed away, and was buried at Mount Moriah cemetery on the 19th inst. Mr. Mehorter was in his 35th year, and a shining light in the comptroller's department of the Penn. R. R. Co. He was of a very sociable disposition, and much beloved of his friends in the Florists' Club and many other organizations.

### Isabella Lilley.

Dec. 17th, 1908, at her late residence, 2243 North 10th street, Philadelphia, Mrs. Isabella Lilley, widow of Hugh Lilley. Interment took place at Cedar Hill cemetery on the 21st inst. Mr. Samuel Lilley, of Lilley & Upton,

commission florists of Philadelphia, is a son of the deceased, and the sympathy of the trade is extended to him in his bereavement.

### George Kahles.

George Kahles, a native of Brooklyn, N. Y., died on Dec. 9 at the age of 38. Mr. Kahles was formerly an employee of James Dean, but has been in business for himself many years. It is understood that his wife will continue the business.

### E. D. Spaulding.

E. D. Spaulding who started in the florist business in Jamestown, N. Y., over forty years ago, died at his home in that town on Dec. 15. He retired from business about ten years ago.

## NEWS NOTES.

Syracuse, N. Y.—The will of the late Louis E. Marquisee was admitted to probate on Dec. 5th. The value of the estate could not be given, as Mr. Marquisee was a beneficiary under the wills of his three half-brothers, whose estates are in course of settlement. Owing to the continued ill-health of Mrs. Marquisee, she feels compelled to give up the idea of continuing the business and has disposed of the ground on which the greenhouses stand; they will not be removed until July, which will give ample time to disseminate the new white carnation Marchioness, and dispose of the bedding stock.

Colorado will put into effect on Jan. 1, 1909, the new law to prevent the spread of injurious insects and plant diseases. Prof. C. P. Gillette becomes State Entomologist. All nurseries will be required to maintain a structure for fumigation of nursery stock with hydrocyanic acid gas; every package must bear a certificate of fumigation; a list of nurseries whose stock can be sold without further disinfection will be furnished; and a fine is fixed for violation of the law.



# New Rose **White Killarney**

Come and see White Killarney growing at our Scarborough houses, and you will say at once, as every one does who has seen it, it is

## The Best White Rose

they have ever seen. You need it if you want to be up to the times, and it will pay you better than any other white rose that you can plant. You will regret it if you do not plant it this year, and you will not regret it if you do.

Big lots are being booked. Get your order in early. Send us order at once, while you think of it. Get early stock. It will not cost you any more to order to-day, while you think of it, than it will two months from now. Be the early bird that catches the worm.

Strong young plants, 2 $\frac{1}{4}$ -inch pots, own-root, ready for delivery beginning February 15th, 1909, \$30.00 per 100; 250 for \$70.00; 500 for \$125.00; 1000 for \$250.00. Grafted plants, ready for delivery beginning March 1st, 1909, \$5.00 per 100 additional.

## MY MARYLAND

This new rose, which was introduced last season in a limited way, has proved to be one of the best roses ever introduced. Every one is enthusiastic in regard to its merits, and it will be planted very largely by the largest, most progressive and most up-to-date growers, who have already placed large orders for it.

It is a strong, healthy, and vigorous grower, producing long stems and long pointed buds, exquisitely fragrant. The color is a soft salmon-pink. This is a rose that we can recommend in the highest terms, as we are sure it will prove very, very satisfactory. It is a welcome addition to our limited list of really first-class varieties for indoor culture; and it is not only a fine midwinter rose, but is also unusually good during the summer months.

Strong plants, 2 $\frac{1}{4}$ -inch pots, own-roots, \$10.00 per 100, \$90.00 per 1000.

Grafted plants, \$20.00 per 100, \$150.00 per 1,000.

**F. R. PIERSON, Tarrytown-on-Hudson, NEW YORK.**

### PHILADELPHIA PERSONAL AND BUSINESS NOTES.

Mayor-elect Philip Breitmeyer of Detroit has been a visitor here since Saturday last, at the bedside of his wife's father and mother, both of whom are very ill. The trade have taken opportunity to extend congratulations on the new dignities and honors which have been showered on one so well beloved since his boyhood's days in this neighborhood.

F. H. Phresman, successor to Jno. Lees at Bridge street, Frankford, has greatly improved his retail store and reports good business and excellent prospects.

William Didden, Mt. Moriah lane, is a strong believer in the Formosa Easter lily. He has had good success with it the past two years.

August Muller, fern grower, 65th and Elmwood avenue, grows Amerpohli to a limited extent only, finding it not so good, as a commercial variety, as the old Boston and Scotti, especially when large, as it tends to go bad in the centre—beyond a certain size.

James Griffin, Frankford, is changing his heating system from steam to hot water.

Fred Ehret, Broad and Fairmount Ave., reports a largely increased business on account of the doubling of his store. Mr. Beattie, late of Graham's, is in charge of the designing and decorating department. A Christmas novelty here is boxed holly wreaths, two in a box. These are boxed in the growing districts and carry better all through until they reach the home. The extra cost is only about one cent each.

The question is being asked: Where can the "Revero" rubber hose be seen in Philadelphia? A demonstration of the new method of making this non-kinkable hose would seem to be in order. The Philadelphia branch of the company should get in touch with the Florists' Club. We never heard of "Revero" until HORTICULTURE told us this week.

Samuel J. Irvine, late with Louis Burk, is now occupying a responsible position on the Wanamaker estate at Jenkintown.

Up along, and down along, and all along the store and conservatory of Pennock Bros., it is red, red, red! Baskets big and little, poinsettias in banks and waves! Cyclamens, azaleas and ericas are in strong force also, but we gasp in red until the back-ground is reached.

It is rumored that a syndicate of Ranstead street wholesalers, headed by Edward Reid, J. McIntyre and W. E. McKissick, are negotiating with Councilman W. C. Smith for the purchase of the City Hall as a wholesale flower market.

Toledo, O.—There has been a remarkable improvement in business and all expect to have the Christmas of their lives and are preparing for it. The Patten Flower Store is lavishly decorated with southern smilax, holly and Christmas bells. The latter are of a new type, consisting of a skel-ton of chenille intertwined with holly. S. N. Peck has his store filled with Begonia Gloire de Lorraine and Nephrolepis Amerpohli, both of which are at the height of popularity here.

### PERSONAL.

Rudolph Fischer sailed on the Campania from New York on December 23, on a visit to Germany.

Benjamin F. Lissauer of Hoboken, N. J., was stricken with heart trouble in the street and carried to the hospital on December 12.

Mr. Philip Breitmeyer left Detroit for Philadelphia Saturday evening, owing to the serious illness of his wife's mother, Mrs. Grass.

Hugh L. Cameron, of North Cambridge, Mass., sailed December 19 for Scotland. Mr. Cameron goes to visit his mother, who is 94 years old.

### NEWS NOTES.

Walden, N. Y.—W. P. Kestlo will add a nursery to his present florist business.

Phoenix, Ariz.—W. P. Gibson will engage in the nursery business here at an early date.

Knoxville, Tenn.—The flower store of Mrs. A. H. Daily was slightly damaged by fire last week.

Louisville, Ky.—Henry Lurding has taken charge of St. Stephen's cemetery and will at once repair and stock the greenhouses.

It is reported that Charles Thorley, the florist, has leased the premises at the northwest corner of Fifth avenue and 46th street, New York. The property comprises a four story and basement dwelling house, with a frontage of 25 feet on the avenue and a depth of 100 feet. The lease is for a long term. Mr. Thorley will extensively remodel the premises and use the ground floor for his business.



## TO SAVE THE PHOSPHATES.

Washington (Special).—The first tangible result from this session of the National Conservation Commission has been in favor of the agricultural interests of the country and the action in question is of widespread, national significance.

The report prepared for the Commission by the U. S. Geological Survey on the phosphate consumption and supply of the United States showed such a startling condition of affairs that vigorous steps were immediately taken by the Government, the President ordering the withdrawal from entry of the extensive area of phosphate lands recently discovered in the western states. The Sociological Survey is engaged in the investigation and examination of mineral deposits, but in this instance its work has resulted in the adoption of provisions which are of vital concern to every farm and every farmer in the land. The description of the lands withdrawn, which are situated in Wyoming, Idaho and Utah, was furnished by the Survey as a result of a preliminary examination of the area, and further geologic work will be prosecuted as soon as practicable, in which the lands will be carefully classified and those found to be actually underlain with phosphate will be held, pending action by Congress.

At the present rate of production, it was stated, the known available supply of high grade phosphate rock in the United States will last only about fifty years, and it was pointed out that a large proportion of this is exported for the benefit of foreign farm lands and at the expense of our own. While there is no method of preventing exportation from the eastern phosphate fields, it is believed to be possible to prohibit export of the western phosphates, since they are found largely on Government lands. This western field embraces the largest area of known phosphate beds in the world, and it is unquestioned that it is absolutely necessary to utilize these deposits solely for the benefit of the farms of the United States.

Phosphoric acid, as is of course well known, is one of the three substances which must exist in the soil to insure plant growth. President Van Hise, of the University of Wisconsin, stated that it had been shown as the result of agricultural experiment station work in Wisconsin, Ohio and Illinois, that in 54 years certain cropped soils of those States had been depleted of one-third of their original phosphoric acid—1080 pounds or 20 pounds per acre annually. Applying this rate of exhaustion to the 40,000,000 acres of cropped land in the United States, it would require 12,000,000 tons of phosphate rock annually to merely offset the loss, or as much as the total amount which has been mined from the Florida deposits.

The rapid rate of increase in the domestic use of phosphate taken in connection with the limited supply is a matter sufficiently serious; but the feature which should arouse the greatest concern and call forth the most vigorous protest is the exportation of nearly half the output. From this exportation the United States received practically no benefit, whereas every pound of American phosphate is needed for American farm lands. The

following figures show the steadily increasing production of phosphate rock in the United States:

## PHOSPHATE PRODUCTION IN UNITED STATES.

Year	Tons
1880	510,489
1900	1,491,216
1905	1,947,190
1907	2,265,313

Of the 1907 production, 900,000 tons or about 40 per cent. was exported.

The phosphate rock of South Carolina is nearly exhausted, and the Florida deposits, once popularly considered practically inexhaustible, have reached their maximum production. They will soon begin to decline. Tennessee has comparatively large deposits, but this field alone would at the present rapid rate of increase in production, last only, according to the government geologists, eleven years. There is some phosphate rock in Arkansas; but it is of low grade. The large deposits, therefore, of the Public Land States must furnish the most of the phosphate of the future, and to insure the enrichment of our own soil from our own phosphoric beds some methods must be devised to prevent the profitable business of the exportation.

This, it is believed, can be done only by the Government's retaining title to the public lands underlain with phosphate and providing for their development by leasing under terms which will forbid exportation. The lands have therefore been withdrawn by the Secretary of the Interior, as an emergency measure, and will be reserved pending action by Congress.

H. C. RIZER, Chief Clerk.  
U. S. Geological Survey.

## GREENHOUSES BUILDING OR CONTEMPLATED.

Woodbury, N. J.—Frank Merritt, one house.

New Orleans, La.—D. Guthler, house, 15 x 30.

Roslyn, Pa.—Victor Groshens, house 29 x 500.

Springfield, O.—Charles Brunner, one house.

Marblehead, Mass.—L. H. Hayden, house 90 ft.

Holland, Pa.—Joseph Swearer, one house, 35 x 200.

Bridgeport, Conn.—G. C. Bouton & Son, one house.

Boise, Ida.—Johnson & Connor, range of houses.

Mason City, Ia.—Perth Floral Co., range of houses.

Kansas City, Mo.—Joseph Austin, two houses, each 30 x 108.

Wichita, Kan.—Culp & Co., carnation house, 21 x 100; propagating house, 6 x 100.

## INCORPORATED.

Batavia, Ill.—Batavia Greenhouse Co., Batavia; Henry Wenberg, Selma Wenberg, Chas. Johnson; capital, \$8,000; greenhouse and nursery business.

Chicago, Ill.—Mrs. Eaton of the Eaton Flower Shop who has been seriously ill is now recovering. Miss Eaton who has been out of the store since August is again back at her post. Anton Then, one of Chicago's well known growers, has been ill for several days.

## Troy's WANT Corner

## WANTED

Large Koster's Blue Spruce running from 5 ft. to 8 ft. high. State size and price and how many you can supply.

Write giving full particulars to  
**J. H. TROY,**  
Care "The Rosery,"  
24 East 34th St., NEW YORK CITY.

## ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

Sander, St. Albans, England  
and 235 Broadway, Room 1  
NEW YORK CITY

## IMPORTED ORCHIDS

Arrived in Superb Condition

Vanda coerules, Cattleya Trianae,  
Cattleya gigas Sanderiana, Cattleya  
Schroederiae, Oncidium varicosum.

JULIUS ROEHRS CO., Rutherford, N. J.

## ORCHIDS

Orchid Baskets and Peat  
Write for Prices

JOSEPH A. MANDA  
191 Valley Road - WEST ORANGE, N. J.

## ORCHIDS

We have some handsome early *Percivaliana* which we positively guarantee to bloom between now and Christmas, as the buds are visible on the sheath. No less than two new strong growths on each plant. The flowers will more than repay purchase of plant. Plants with 7 to 10 bulbs \$1.00 each; from 10 to 15 bulbs \$1.25

ORDONEZ BROS., Madison, N. J.

## ORCHIDS Freshly Imported

We offer a superb lot of *Cattleya gigas Sanderiana* in finest condition; also *C. Bogotensis*, *C. Schroederiae*, *C. labiata*, *C. gigas Hardyana* type and *Miltonia vexillaria*

LAGER & HURRELL, Summit, N. J.

## ORCHIDS

Our latest importations have been, *Cattleya Chrysotoxa*, *Cattleya Gaskelliana*, *Cattleya Gigas* (Hardyana district), *Phalaenopsis Amabilis Schilleriana* and others. We will receive in a short time, *Cattleya Dowiana*, *Miltonia Vexillaria* and others.

CARRILLO & BALDWIN  
SECAUCUS, N. J.

A. N. PIERSON, Inc.  
CROMWELL, CONN.

Wholesale Growers of Cut Flowers, Palms and Ferns

OUR SPECIALTIES. Roses, Lily of the Valley and Carnations. We also grow a general assortment of flowers in their season

## HEADQUARTERS

For Araucarias, Bays, Kentias, Solanums, Lorraine Begonias. Best stock in the country. Write for bargain prices.

GODFREY ASCHMANN

1012 West Ontario St., Phila., Pa.

## Seed Trade

### AMERICAN SEED TRADE ASSOCIATION.

#### Tariff and Customs.

The following communication and representative items from tariff schedules are self-explanatory:

New York, December 2, 1908.

Hon. Serebo E. Payne, Chairman Ways and Means Committee, House of Representatives, Washington, D. C.

Sir: At a meeting of the committee on tariff and customs of the American Seed Trade Association, an organization which consists of the leading seed growers of the United States, as well as seed dealers, held this day, the following preamble and resolutions were unanimously adopted:

Whereas, The members of this association are satisfied that the present duties on seeds and bulbs afford an adequate measure of protection to the American farmer and deprecate any radical change in the existing rate of duty on seeds and bulbs, and

Whereas, Owing to the methods of production abroad there is great difficulty, if not impossibility, in fixing equitably market values in the country of production because there are no open markets or exchanges where they are dealt in from day to day as is the case with many staple products, and

Whereas, These conditions, which are inseparable from the industry, have in the past led to great difficulty on the part of the appraising officers of the customs, in some cases to great injustice to importers and to serious inequalities in the administration of the tariff, and

Whereas, These undesirable results seem to be inevitable when the duty on seeds and bulbs is assessed on an ad valorem basis, now, therefore, be it

Resolved, That it is the judgment of this association that all dutiable seeds and bulbs should pay duties on a specific basis, and further be it

Resolved, That we strongly recommend to the ways and means committee the following schedule of duties on seeds and bulbs which has been compiled on the basis of average values abroad and with the desire to maintain the equivalents of the existing ad valorem rates, and finally be it

Resolved, That it is the sense of this association that, whatever duties on seeds and bulbs may hereafter be decided upon they should be assessed on a specific and not an ad valorem basis.

Respectfully submitted,

WATSON S. WOODRUFF, Pres.

J. C. VAUGHAN, Chairman, Committee on Tariff and Customs.

The schedules submitted with the foregoing provide specific duties on seeds, etc., as indicated by the following leading items in cents per pound; mushroom spawn, 2; turnip, 2; beet, 3; carrot, 4; cabbage, 6; lettuce, 3; celery, 10; tomato, 20; cauliflower, 100; peas per 60-pound bushel 40; beans per 60-pound bushel, 45.

Seeds of all kinds not specially provided for in this act, 5 cents per pound.

Specific duties on bulbs, bulbous roots or corms which are cultivated for their flowers or foliage, are indicated by the following representative articles, per 1000: Tulips, \$1; gladioli, \$1; narcissi, \$1.50; begonias, \$1.50; gloxinias, \$1.50; lily of the valley, \$1.50; hyacinths, \$2.50; lilies, \$5; peonies, \$10.

Bulbs, bulbous roots, or corms which are cultivated for their flowers or foliage not specially provided for in this act 50 cents per 1000.

The free list is as follows: Anise, canary, caraway, cardamon, coriander, cotton, cummin, fennel, fenugreek, hemp, horehound, mangel-wurzel, mustard, rape, Saint John's bread or bean, sugar-beet, sorghum or sugar-cane for seed, sunflower; bulbs and bulbous roots, not edible and not otherwise provided for; all flower seed, clover and

grass seeds, vetches or tares; all the foregoing not specially provided for in this act.

C. E. KENDEL, Sec'y.

Lord Maule of Panmure is a well-beloved name in the British Empire. The American scion of this house, although without title, has honored the good stock and achieved much distinction in his chosen field of effort—horticulture—particularly in seed growing and distribution. The latest Maule catalogue is a striking illustration of the perennial freshness and genius of the noted Philadelphia establishment. It is unique in its general get-up and a striking departure from conventional lines, especially in the cover portion.

### BULB GROWING IN SANTA CRUZ.

A. Mitting writes interestingly in the Santa Cruz Tribune about the rapidly growing bulb trade of that place. We extract a few notes.

"Experience has proved that it will pay to grow bulbs in Santa Cruz county for the eastern market. Calla bulbs are at present taking the lead, 1,500,000 of this variety having been planted in this vicinity in the last three years. There is a demand for about 1,000,000 of these bulbs each year, and as it takes three years with ordinary cultivation to raise a crop of them, it follows that 1,000,000 need to be planted every year to supply the market. Outside of Egypt, the country around the bays of Monterey and San Francisco is the only region in the world where calla bulbs can be grown successfully; and as the world supply of these plants must be drawn from this territory, there is no fear of the business of growing them being overdone for many years to come. There are about 16,000 buyers in the United States and Canada and many orders are received from China, England, France, Denmark, Holland and other foreign countries.

To grow the finest calla bulbs it is best to plant not over 200,000 bulb-lets to the acre. These bulbs in three years are worth from \$15 to \$20 per 1000 in Santa Cruz.

Until A. Mitting established his company, orders for bulbs which came to Santa Cruz from the east were filled by digging a sufficient number in door yards. Now the business is to some extent systematized, Mr. Mitting controlling about 82 per cent of the trade.

"Freesia bulbs are in large demand, upward of 10,000,000 being called for each year. A considerable number of this variety are now being grown along the seacoast in Southern California, some in the south of France, and a few in Bermuda. Tests have shown that 100,000 of these bulbs planted here in August will increase to 300,000 by the following June, besides producing a quantity of seed. This is the best paying crop in California to-day, as close to 1,600,000 bulbs from 600,000 bulbs planted can be raised on an acre of land, which will provide 1,200,000 to sell nine months after planting."

Mr. Mitting also speaks confidently of the adaptability of local conditions, to the raising of *Lilium Harrisii*, gladiolus and several species of narcissus. He continues:

"Owing to the lack of experienced men to raise bulbs in Santa Cruz coun-

ty, it will be a number of years before we are in a position to supply the florists' trade in the east. An outlay of several hundred thousand dollars will be required; and small ranch owners are slow to venture into a business they have no knowledge of. As it takes years to understand the wholesale bulb business, we must avail ourselves of the experience of eastern florists in these lines. Although the florists and growers of Santa Cruz can see the large amount of money there is in the bulb business, outside of these few have any conception of the great possibilities in this respect that await development here. Literature setting forth the unsurpassed advantages of soil and climate possessed by Santa Cruz should be sent to the 15,000 florists of the eastern states, most of whom are now ignorant of conditions here. All they hear of California in the east is about Los Angeles and San Francisco—occasionally, perhaps Sacramento and San Jose mentioned, but never a word about Santa Cruz. The trouble is that most people do not realize what a beautiful city we have here, or the great opportunities in floriculture that here exist. Finally, local real estate men should stop telling new comers that the chicken business is the best investment here and advise instead bulb growing."

### A LITTLE WONDER.

We have received a package of testimonials from Agricultural Experiment Stations and widely known growers concerning the Niagara Greenhouse Sprayer, manufactured by the Niagara Sprayer Company, Middleport, N. Y. On the lawn, in the orchard and in the greenhouse this little wonder has quickly won an enviable reputation. It has a concentrated power equal to a 4-horse power engine. It weighs only 35 pounds. Ask them about it.

### NEWS NOTES.

Boise, Idaho.—Johnson & Connor have purchased a large tract of land outside the city on which they intend to erect a range of greenhouses.

Chicago, Ill.—The Carlson Flower Shop, 92 Jackson Boulevard, has suspended business and a sign in the window announces "Closed by the bailiff."

### MICHELL'S

#### MAMMOTH FANCY VERBENA

Our Mammoth Fancy Strain combines large size, purity of color and free flowering qualities.

	Tr. pkt.	Oz.
BLUE and PURPLE	30c	\$1.50
PINK	30c	1.50
SCARLET	30c	1.50
STRIPED	30c	1.50
WHITE	30c	1.50
MIXED, all colors	30c	1.50

#### DIELYTRA SPECTABILIS

(Bleeding Heart)

Extra large clumps. Fine for Easter, Makes a striking house plant.

85c per doz. : \$5.00 per 100

Write for our Handy Flower Seed Order Sheet

**MICHELL** 1018 MARKET ST. PHILA., PA.

## SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton. Cash with Order

**ROBERT SIMPSON**

CLIFTON, N. J.

## CATALOGUES RECEIVED.

California Rose Company, Pomona, Cal.—"Roses for the People." A beautifully illustrated catalogue which will undoubtedly fulfill its mission.

Sluis & Groot, Enkhuizen, Holland.  
—General Price List of Vegetable, Flower and Agricultural Seeds. Wholesale; in English; issued Nov. 23, 1908.

Barenbrug On Grasses. By Joseph T. Barenbrug, \$1.00, postpaid. Horticulture Publishing Co., 11 Hamilton Place, Boston.

# Mignonette

**FARQUHAR'S  
GIANT**

Oz., 75c; 1-4 oz., 25c

**R. & J. Farquhar & Co.**  
6 & 7 South Market Street  
BOSTON, MASS.

BRIDGEMAN'S SEED WAREHOUSE  
**RICKARDS BROS.**  
Props.  
37 East 19th St., - NEW YORK CITY

## STOCK SEED FOR WINTER BLOOMING

Our strain of Double Branching Stocks is exceptionally true. About 90% Double Flowers.

In colors: 1/4 oz. .60 oz. .... \$4.00  
Pure White 1/4 " .75 " ..... 5.00

**H. E. FISKE SEED CO.**  
Faneuil Hall Square, BOSTON, MASS.

Winter-flowering  
**SWEET PEA SEED**  
All Colors Ask for List  
**A. C. ZVOLANEK**

ORIGINATOR.

BOUND BROOK, N. J.

## NEW CROP SEED

For Early Planting  
**THOMAS J. GREY CO.**  
32 SO. MARKET ST., BOSTON, MASS.

**READY** For Prompt  
Shipment ..  
**FRENCH and DUTCH BULBS**

Catalogues mailed free on application  
**Joseph Breck & Sons Corp.**  
47-54 NO. MARKET ST., BOSTON, MASS.



## GROUND BONE

For Potting Purposes  
100 lb. \$3, 200 lb. \$4

**W. ELLIOTT & SONS**

42 Vesey St., New York

**C. C. MORSE & CO.** 48-56 JACKSON ST.,  
San Francisco, Cal.

The Largest Seed Growers on the Pacific Coast

**ONION, LETTUCE, SWEET PEAS,**

— ALSO —

Carrot, Celery, Leek, Mustard, Parsley, Parsnip, Radish, Salsify

## LEONARD SEED CO.

Growers and Wholesalers of Superior Garden Seeds  
**FLOWER SEEDS—ONION SETS . . . GET OUR PRICES**  
79 East Kinzie Street  
143 West Randolph Street **CHICAGO**

*Thorburn's  
Bulls*

**LILY OF THE VALLEY PIPS**

Just received our unexcelled pips.

We also offer at reduced prices  
Lilium Longiflorum, 6/8 and 7/9  
Lilium Multiflorum, 7/9  
Double Hyacinths in separate colors.

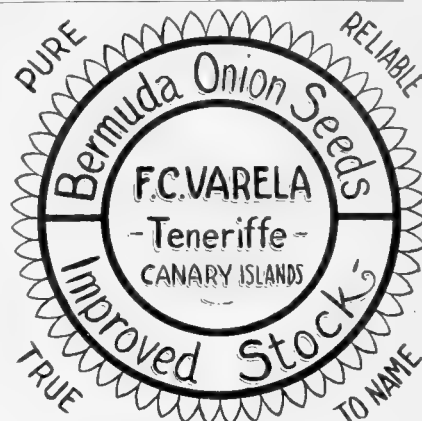
ASK FOR PRICES.

**J. M. THORBURN & CO.**  
33 BARCLAY ST through to 38 PARK PLACE  
NEW YORK

**Burpee's Seeds**  
PHILADELPHIA

Blue List of Wholesale Prices mailed  
only to those who plant for profit

**C** **AULIFLOWERS** **S**  
**A** **B** **B** **A** **C** **E** **D**  
LILY OF THE VALLEY PIPS.  
**HJALMAR HARTMANN & CO.**  
12 Stormgade,  
COPENHAGEN, DENMARK.



NO COMPLAINTS AND —  
NO TROUBLE WITH MY SEEDS  
SURPLUS CROP 1908

**Sweet Pea and Onion Seed**

Stocks choice and prices reasonable  
Our Contract List for 1909 Crop is now Ready.

Correspondence Solicited

**A. J. PIETERS SEED CO.,**  
Hollister, Cal.

**QUALITY SEED  
BULBS  
PLANTS**

SEND FOR CATALOGUE  
**ARTHUR T. BODDINGTON**  
349 West 14th St., New York.

## To Florists Everywhere

Orders for Cut Flowers and Floral Decorations to be delivered anywhere in the Greater New York, may be placed with us with the certainty that your customers will be satisfied.

Telegraphic, telephone or mail orders to us and be sure that they will be filled promptly and as carefully as though you did it yourself.

One third discount will be allowed on all orders thus placed with us by florists outside of the Greater New York.

## THE BLOSSOM

Bond and Livingston Sts.,  
BROOKLYN, N. Y.

C. C. TREPEL, Manager

## William J. Smyth FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Douglas 744, Douglas 523, Douglas 740

## M. C. and J. E. HAUSWIRTH

Out of Town orders for Hospitals  
Carefully filled.

232 Michigan Ave.  
CHICAGO

AUDITORIUM ANNEX Tel. Harrison 585

## SAMUEL MURRAY Florist

Coates House Conservatory

1017 BROADWAY, KANSAS CITY, MO

Both 'Phones 2670 Main

## FRED C. WEBER FLORIST

4326-28 ST. LOUIS, MO.  
OLIVE STREET

Established 1873

Long Distance Phone Bell Lindell 676



WASHINGTON,  
D. C.

GUDE'S

## The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,  
96 Yonge St., - Toronto, Ont.

## The Park Floral Co.

J. A. VALENTINE  
Pres.

DENVER, COLORADO

WILLIAM L. ROCK  
FLOWER CO.

KANSAS CITY, - MO.

will carefully execute orders for Kansas City  
and any town in Missouri or Kansas.

## Of Interest to Retail Florists

### CHICAGO HOLIDAY WINDOW DISPLAYS.

Poinsettias never were better than they are this year. All the flower stores are making good use of them in their window decorations. A. Lange has them arranged in a large arch, using cut poinsettias in vases, some of which are nearly 6 feet high. A basket of orchids is the centre piece. Rowe uses the poinsettias effectively in two columns on either side of the window.

Mangel has one of the most striking windows done entirely in red, with a touch of green. Poinsettias are abundantly used, the jars concealed with mats of corresponding color. Clusters of bells of various sizes hang gracefully about. These bells are imported from France and are finished with a rim of green. They retail from one to three dollars per cluster of six to ten.

Manosus Bros. have their window showily trimmed with red berries and

### STEAMER DEPARTURES

#### American.

New York, N. Y.-Shampton...Jan. 2

St. Louis, N. Y.-Shampton...Jan. 9

#### Atlantic Transport.

Minnetonka, N. Y.-London...Jan. 9

#### Cunard.

Lucania, N. Y.-Liverpool...Dec. 30

Lusitania, N. Y.-Liverpool...Jan. 6

#### French Line.

La Lorraine, N. Y.-Havre...Dec. 31

La Touraine, N. Y.-Havre...Jan. 7

#### Hamburg-American.

Amerika, N. Y.-Hamburg...Jan. 5

Batavia, N. Y.-Hamburg...Jan. 9

#### Leyland.

Devonian, Boston-Liverpool...Dec. 30

Bohemian, Boston-Liverpool...Jan. 6

#### North German Lloyd.

Barbarossa, N. Y.-Gibraltar...Jan. 4

K. W. der Grosse, N. Y.-Br'n...Jan. 5

#### White Star.

Majestic, N. Y.-Shampton...Jan. 6

Cynric, Boston-Liverpool...Jan. 13

some very fine chrysanthemums for so late in the season.

Smyth's large window is a study in red and green. It can be seen for blocks away and is one of the most attractive in the city. The centrepiece is a magnificent jar of cut poinsettias 5 ft. high against a background of lattice work in green wreathing. The sides slope away, one into a group of ardisias and the other into araucarias draped with red baby ribbon.

The front centre is filled with berry globes, each tied with red cord and tassel.

There is, as usual, a gorgeous display at Samuelson's, 31st and Michigan. Mr. Samuelson specializes in fine China suitable for the florists' trade. He has both the Dresden (white and gold) and the Bavarian (pure white) ware. A large order placed for the Christmas trade has failed to arrive.

### NEW RETAIL FLOWER STORES.

Mishawaka, Ind.—J. L. Carney, 110 East Second street.

Kansas City, Mo.—Arcade Flower Shop, Scarritt Building.

## ALEX. McCONNELL

571 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 38th St.

Cable Address, ALEXCONNELL

## New York Deliveries

### FLOWERS and PLANTS

by special messenger to Steamer,  
Theatre or any address in

NEW YORK or BROOKLYN

THOMAS YOUNG, JR.

500 FIFTH AVE., (near 42nd St.)

## NEWMAN FLORAL Co.

(Established 1870)

202 Fifth Ave. and  
Madison Square.

NEW YORK CITY  
FLOWERS FOR STEAMER SAILINGS

## M. A. BOWE

In the Heart of New York City

1294 Broadway

Tel. 2270, 38th St. NEW YORK

Our Motto—The Golden Rule

## DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

## YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

### NEW YORK

## MYER, FLORIST

Phone 5297 Plaza.

609-611 MADISON AVE.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

## Flower Deliveries

In Brooklyn and other Long Island Points  
New York City, New Jersey, etc. At Theatres,  
Hotels, Steamers or Residences.

## WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.



## JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada

## PROMPT DELIVERY IN BOSTON

AND ALL NEW ENGLAND POINTS  
**F. H. HOUGHTON**  
396 Boylston St., Boston, Mass.

## BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your  
retail orders to

**EDWARD MACMULKIN**  
194 Boylston Street, Boston

Send flower orders for delivery in

## BOSTON

and all

**NEW ENGLAND POINTS**  
**THOS. F. CALVIN**  
124 Tremont St., Boston

The Original Telegraph Order Florist  
WILL DELIVER

**Christmas AND New Years Flowers**  
to order in Boston and Vicinity. Usual Discount.

**J. NEWMAN & SONS, Inc.**  
EST. 1870 24 TREMONT ST., BOSTON

## TRANSFER

Your orders for flower or plant delivery in  
Eastern New England to

**JULIUS A. ZINN,**  
2 Beacon St., Boston.

Fine Design Work a Specialty.



**DANKER,** Albany, N. Y.

ORDERS FOR

**Choice Flowers and  
Floral Emblems**

FILLED PROMPTLY

*Palmer's*

Buffalo, N. Y.

W. J. PALMER & SON, 30 Main St.



## THE NEW IDEA IN PLANT STANDS

## The Moore-Livingston Graduating or Adjusting

Saves one-half to two-thirds of cost over ordinary galvanized  
iron stands.

SEND FOR CIRCULAR GIVING FULL PARTICULARS

SOLD BY SEEDSMEN AND SUPPLY HOUSES

If your seedsman does not carry send us his name and we will promptly send full  
particulars.

**Moore-Livingston Co.,** Patentees and Mfrs., Lansdowne, Pa.

## A CHICAGO FLORAL ESTABLISHMENT.

Our cover illustration this week shows an interior view of the new establishment of "Schiller, the Florist," which we think is sufficiently conspicuous and suggestive to merit the prominence we give to it as an example of the most up-to-date type of what a retail floral establishment should be. The view given is what meets the gaze of the customer on entering from the street. Looking straight through the large sales room 40 x 50 ft. into the attractively arranged conservatory beyond, the eye takes in at a single glance a space 50 x 150 ft., every inch of which is new and artistic. This new place is at 904-6 W. Madison street, and consists of two stories, the lower one having sales rooms, conservatory, office and workroom, and the upper one a reading room. The large refrigerator extending across one end of the sales room has the entire front of glass and is lighted with electricity, as is also the conservatory, thus presenting a very attractive appearance at night. The entire 50 foot front on West Madison street is in glass, one pane being over 18 ft. long. The conservatory, which is of Moninger construction, has a large arch of rock, a fountain, cement walks and Wittbold benches. Manager George Asmus is justly proud of the establishment and is kept busy showing visitors about.

## CHICAGO RETAIL NOTES.

O. S. Reidenoner's place is known as the Warwick Flower Shop, and is one of the best locations on the South Side.

Frankenfelter has greatly enlarged and improved his place on W. Madison street. He has now a sales room, stock room and conservatories.

Julius Schnapp has given up his store and conservatories at 574 E. 47th street, and the owner will assume the management with the assistance of Miss Elsie Schnapp until he finds a purchaser.

Miss Megchelson's store on Grand boulevard, one of the prettiest on the South Side, consists of two small front rooms, nicely thrown together, one for plants and the other for cut flowers, an arrangement which has many advantages.

Miss Anna Grace Sawyer, proprietor of the Pansy Flower Shop on West Madison street, is the inventor of a unique contrivance for hanging vases in windows, known as "Merry Window Hangers." Miss Sawyer's partner is a pansy specialist at Forest Park.

## THE BEST LETTERS

FOR THOSE  
FLORISTS' MADE  
USE BY THE



**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. MCCARTHY, Mgr.

Order direct or buy from your local supply  
dealer. Insist on having the

**BOSTON**

Inscriptions, Emblems, etc., Always  
in Stock

## TIE UP

Your Chrysanthemum Plants with

**GREEN SILKALINE**

Made Especially for that Purpose.

**JOHN C. MEYER & CO.,** Boston, Mass.

## FLORISTS' SUPPLIES

Send for New Catalogue

**H. Bayersdorfer & Co.**

1129 ARCH ST., PHILADELPHIA

**ROBERT J. DYSART,**

**Public Accountant and Auditor**

Simple methods of correct accounting  
especially adapted for florists' use.

**Books Balanced and Adjusted**

Merchants Bank Building

**28 STATE ST., BOSTON**  
Telephone, Main 51

**JACOB SCHULZ,** 644 Fourth Ave.,  
LOUISVILLE, KY.  
Cut Flowers of BEST QUALITY in season  
delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984

## WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall  
Schools. **TAILBY,** Wellesley, Mass.

Tel. Wellesley 44-1 and 2. Night 44-3.

## ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

In ordering goods please add "I saw  
it in HORTICULTURE."



## GARDENIAS

WE can supply you with Gardenias and can fill all orders. On short notice we can get them for you special from the greenhouses so as to give perfect satisfaction.

## THE LEO NIESSEN CO.

1209 Arch St., Philadelphia, Pa.

Open from 7 a.m. to 8 p.m.



## Cypridium

\$14.00 per 100

QUALITY

S. S. PENNOCK-MEEHAN CO.  
1608-1620 Ludlow St., Philadelphia

## POINSETTIAS

for New Year. Write for Prices.

W. E. McKISSICK & BROS.

WHOLESALE FLORISTS

1019-1621 RANSTEAD ST.  
PHILADELPHIA

## CUT FLOWER BOXES

EDWARDS FOLDING BOX CO  
MANUFACTURERS  
PHILADELPHIA, PA.

## CHAS. W. McKELLAR

51 WABASH AVE., CHICAGO

Western Headquarters for Choice Orchids  
Valley, Roses and all Cut Flowers

PETER REINBERG  
WHOLESALE

## CUT FLOWERS

51 Wabash Av., Chicago, Ill.

## DAILY CONSIGNMENTS

From 40 to 60 Growers

We can care for your cutflower wants to advantage.

E. F. WINTERSON CO.

45-47-49 WABASH AVE., CHICAGO

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

## CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

## Rice Brothers

115 N. 6th Street, MINNEAPOLIS, MINN.

WHOLESALE FLORISTS and SUPPLIES

CUT FLOWERS received twice daily, and can fill your orders to your satisfaction. A complete line of Hardy Greens - WILD SMILAX, BOXWOOD, HARDY FANCY FERNS, GALAX LEAVES.  
Write for quotations on large quantities.

In ordering goods please add "I saw it in HORTICULTURE."

## WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR  
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

## WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Christmas Prices		Dec. 21		Dec. 21		Christmas Prices	
<b>ROSES</b>								
Am. Beauty, Fancy and Special.....	75.00	to 100.00	30.00	to 42.00	25.00	to 40.00	60.00	to 100.00
"    Ekura.....	50.00	to 75.00	25.00	to 30.00	20.00	to 25.00	20.00	to 50.00
"    No. 1.....	25.00	to 50.00	20.00	to 25.00	12.50	to 18.00	10.00	to 15.00
"    Lower grades.....	10.00	to 25.00	10.00	to 15.00	8.00	to 15.00	2.00	to 4.00
Bride, 'Maid, Fancy & Special.....	12.00	to 15.00	6.00	to 8.00	8.00	to 12.00	8.00	to 15.00
"    Lower grades.....	6.00	to 8.00	4.00	to 6.00	3.00	to 6.00	2.00	to 6.00
Killarney, Fan, & Sp.....	15.00	to 20.00	8.00	to 12.00	10.00	to 15.00	15.00	to 35.00
"    Lower grades.....	8.00	to 12.00	4.00	to 8.00	4.00	to 6.00	2.00	to 8.00
Richmond, Fancy & Special.....	15.00	to 20.00	10.00	to 14.00	10.00	to 12.00	14.00	to 35.00
"    Lower grades.....	8.00	to 12.00	4.00	to 8.00	4.00	to 6.00	2.00	to 6.00
Chatenay.....	6.00	to 15.00	4.00	to 8.00	4.00	to 6.00	2.00	to 15.00
Golden Gate Ivory, etc.....	12.00	to 15.00	4.00	to 8.00	4.00	to 10.00	2.00	to 12.00
My Maryland.....	6.00	to 10.00	.....	to .....	5.00	to 10.00	6.00	to 25.00
Queen Beatrice.....	.....	to .....	.....	to .....	3.00	to 8.00	2.00	to 12.00
Mrs. Mar. Field.....	10.00	to 25.00	12.00	to 25.00	.....	to .....	.....	to .....
<b>CARNATIONS</b>								
Fancy and Rel.....	5.00	to 8.00	3.00	to 5.00	3.00	to 4.00	4.00	to 8.00
Ordinary and White.....	4.00	to 5.00	2.00	to 3.00	1.50	to 2.00	1.00	to 2.00
<b>MISCELLANEOUS</b>								
Chrysanthemums, Fanov.....	15.00	to 25.00	20.00	to 25.00	20.00	to 25.00	.....	to .....
"    Ordinary.....	5.00	to 10.00	12.00	to 15.00	10.00	to 20.00	.....	to .....
Cattleyas.....	75.00	to 100.00	50.00	to 60.00	50.00	to 75.00	50.00	to 75.00
Lilies.....	15.00	to 20.00	12.50	to 15.00	12.50	to 15.00	8.00	to 12.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 4.00	2.00	to 5.00	1.00	to 4.00
Narciss., Paper White.....	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00	1.00	to 2.00
Roman Hyacinth.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Sweet Peas.....	.75	to 2.00	1.00	to 2.00	.75	to 1.00	.75	to 1.00
Gardenias.....	.....	to .....	40.00	to 50.00	.....	to 50.00	25.00	to 50.00
Violets.....	1.50	to 2.00	1.00	to 2.00	.50	to 1.25	.75	to 1.50
Adiantum.....	1.00	to 1.50	1.00	to 2.00	1.00	to 1.50	.75	to 1.00
Smilax.....	.....	to 10.00	12.00	to 15.00	12.50	to 20.00	10.00	to 12.50
Asparagus Plumosus, strigae.....	35.00	to 50.00	40.00	to 50.00	35.00	to 50.00	25.00	to 50.00
"    "    & Spreng. (100 bchs.)	35.00	to 75.00	15.00	to 25.00	35.00	to 50.00	15.00	to 25.00

## J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and  
Carnations  
A Specialty.....

WHOLESALE  
GROWER of

## CUT FLOWERS



HENRY M. ROBINSON & CO.

15 Province St. and 9 Chapman Place - BOSTON, MASS.

WHOLESALE COMMISSION FLORISTS

Hardy Cut Evergreens and Florists' Supplies

We have the stuff and can fill all orders, large or small  
WE NEVER DISAPPOINT SATISFACTION GUARANTEED



Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.

## Flower Market Reports.

**BOSTON** Midday, Dec. 24th, the hours of greatest import in the wholesale flower trade already gone, and the unprecedented quiet disturbed but little thus far—all goes to show a light trade as compared with former years. The best features of the demand are American Beauty, Richmond, Killarney and Bridesmaid roses, the latter showing unexpected vitality, carnations in colors, poinsettias and violets, the single violets outstripping the double in demand and price. The worst drag on the market is the white carnations. These are heaped up in hopeless accumulation, and cannot be sold at any price. Other white goods are also neglected, but the carnations are hardest hit, and they are of irreproachable quality. Trade in plants has been very brisk and indications are that only the scrubby and inferior stock will be left over. Greens of all kinds have an enormous sale.

Trade rapidly improved **BUFFALO** as Christmas drew near, but during the previous week was not any too active, with plenty of everything to supply the demand. Carnations were in good supply up to the end of the week and a fairly good cleaning up was had, fancy and red having been most in demand. Fine Harrisii and giganteum lilies are to be had, with demand only normal. Lily of the valley is in heavy supply as well as Roman hyacinths and narcissi. There was a slight dropping off in the violet trade during the past week and little or no advance demand for Christmas. The trade has been busy with Christmas greens and decorations, there being an oversupply on this line, especially holly.

The week preceding **CHICAGO** Christmas week was an unusually quiet one. Stock was plentiful, and much of it was good and such sales as were made were from the best grade of stock. Christmas week opened with a run on Monday and all first-class stock went out promptly. Colored flowers were especially in demand and the supply on red carnations and red roses much less than the demand. Lawson carnations helped to satisfy customers who could not get red. Large long-stemmed red carnations sold as high as twelve cents Monday. Every indication at this writing is for a good holiday trade, and no danger of too much stock, especially in colored flowers.

Business is moving along **DETROIT** nicely. There is an overabundance of flowers on the market owing to very clear and moderate weather. Holly is exceptionally fine this year and a heavy demand prevails. The same may be said of boxwood, ground pine and leucothoe. Wholesale growers of potted plants report being sold out. Wreaths of pine branches, cones and berries find eager buyers.

This market experienced the usual lull of the week before Christmas, the only marked activity being in holly, boxwood, mistletoe and other greens. As the holiday week opens cut flowers for out-of-town

## WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI Dec. 22	DETROIT Dec. 23	BUFFALO Dec. 23	PITTSBURG Dec. 21
<b>ROSES</b>				
Am. Beauty, Fan. and Sp.....	100.00	75.00	100.00	40.00
"    Extra.....	75.00	50.00	60.00	25.00
"    No. 1.....	50.00	25.00	50.00	20.00
"    Lower grades.....	30.00	8.00	20.00	15.00
Bride, "Maid, F. & S.....	15.00	10.00	15.00	10.00
"    Low. gr.....	10.00	8.00	4.00	4.00
Killarney, Fan. & Sp.....	15.00	12.00	18.00	15.00
"    Lower grades.....	10.00	8.00	10.00	8.00
Richmond, Fancy & Special.....	18.00	12.00	20.00	15.00
"    Lower grades.....	12.00	8.00	16.00	10.00
Chatenay.....	15.00	8.00	10.00	12.00
Golden Gate, Ivory, etc.....	12.00	6.00	15.00	10.00
My Maryland.....	10.00	8.00	18.00	15.00
Queen Beatrice.....	10.00	10.00	10.00	10.00
Mrs. Mar. Field.....	10.00	10.00	10.00	10.00
<b>CARNATIONS</b>				
Fancy and Novelties.....	8.00	6.00	8.00	4.00
Ordinary.....	4.00	3.00	6.00	2.00
<b>MISCELLANEOUS</b>				
Chrysanthemums, Fancy.....	20.00	10.00	10.00	10.00
"    Ordinary.....	8.00	10.00	10.00	10.00
Cattleyas.....	10.00	50.00	75.00	75.00
Lilies.....	12.00	12.50	15.00	12.00
Lily of the Valley.....	4.00	4.00	5.00	4.00
Narciss., Paper White.....	3.00	3.00	4.00	3.00
Roman Hy.....	2.00	3.00	3.00	3.00
Sweet Peas.....	1.00	.75	1.50	1.25
Gardenias.....	1.00	1.50	2.00	1.25
Violets.....	1.00	1.50	2.50	1.25
Adiantum.....	1.00	1.50	1.50	1.25
Smilax.....	12.00	15.00	15.00	15.00
Asparagus Plumosus, strings.....	40.00	50.00	60.00	35.00
"    "    & Spren. (100 bchs.)	25.00	35.00	50.00	50.00

points are in active demand and the wholesale firms are busy shipping. There is plenty of everything as far as can be seen at this writing—with the possible exception of cattleyas, American Beauty roses, gardenias, poinsettias and red carnations.

Prices for cut flowers **TOLEDO** have been better the last week and are still higher this week. Flowers all around have been of much better quality this season with the exception perhaps of chrysanthemums, which seem to have been unfavorably affected by the exceptionally hot and bright weather this fall.

Business during the **TWIN-CITIES** past week was nothing extraordinary; while it might have been worse it could have been much better. The outlook for the holidays is very bright. Good stock and plenty of it is at hand.

Washington is a **WASHINGTON** floral symphony in red and green. Everywhere and in everything the Christmas colors prevail. Outside the florists' stores the sidewalks, so far as the law will permit, are heaped up with Christmas material. There seems to be a good supply of all kinds of flowers outside of roses, which are phenomenally scarce except Beauties which it is hoped will be equal to the demand. Everything red goes; poinsettias seem to lead the day both in plant and cut form. There is an influx of aucubas but, owing to their high price, they do not move so rapidly as cheaper plants. Business is brisk. Retailers report that they have not been busier this early in the season before for years and prices have advanced at least fifty per cent.

## BUSINESS CHANGES.

**Oakland, Cal.**—The Piedmont Floral & Seed Co., has removed to Broadway and 14th St.

**Chicago, Ill.**—Victor Anderson has purchased the business of John Pherson, 25 E. 43rd St.

**San Francisco, Cal.**—Wickstrom's Floral Depot has moved from Eddy street to 810 Van Ness avenue.

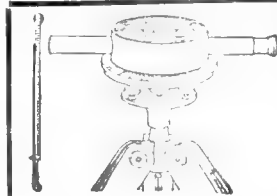
**Hinsdale, Mass.**—L. B. Brague has admitted his son into partnership and the business will continue under the name of L. B. Brague & Son.

**Chicago, Ill.**—John Pherson and Alvin Marine have formed a partnership under the name of Pherson & Marine and started in business at 1212 Bryn Mawr avenue.

**St. Louis, Mo.**—H. Lambart of Chicago has bought out the interest of Mr. Sennewald in the firm of Jacquinen & Sennewald, dealers in dried flowers, foliage, etc. and the title of the firm will be Jacquinen & Lambart after Jan. 1.

## A CARICATURE.

The New York World in its issue for Sunday, Dec. 20th, devotes an entire page to an elaborate presentation of the poinsettia as the most popular of all the Christmas floral beauties. A life-size representation, in colors, of a poinsettia adorns the page, but, alas! the artist chose a cheap imitation for his (or her) subject instead of the real thing which might have been easily procured at any florist shop, with the result that foliage such as never grew on a poinsettia is represented, and the stem even shows the folds of the cheap paper with which it was wound!



**EVERYBODY KNOWS** Park, Cemetery and Landscape Gardening cannot be properly done without the aid of an accurate leveling instrument.

Bostrom's Improved Levels, No. 2 at \$15.00 and No. 3 at \$25.00, are conceded by all who **KNOW** to be the only Levels on the market which meet all the requirements, at the price.

Our guarantee is that every Level we sell, and satisfy every user in every State in the Union heartily endorse every claim we make.

Shipping weight 12 lbs. Description on request.

**BOSTROM-BRADY MFG. CO., 139 Madison Avenue., ATLANTA, GA.**

**FORD BROTHERS**

48 West 28th Street NEW YORK

**FINE ROSES FANCY CARNATIONS**

ALL THE FINEST CUT FLOWERS

Telephone, 3870 or 3871 Madison Square

**H. E. FROMENT****Wholesale Commission Florist,**  
Choice Cut Flowers,

57 West 28th St. :: NEW YORK

Telephones: 2200, 2201, Madison Square.

**Alfred H. Langjahr**

All choice cut-flowers in season. Send for quotations. Correspondence with shippers of first-class stock invited.

55 West 28th Street, New York

Telephones 4626-4627 Madison Square

**Edward C. Horan**  
**Wholesale Florist**

55 WEST 28th ST.

Tel. 1462 Madison Square New York  
1463**JOHN YOUNG****WHOLESALE FLORIST**Finest American Beauties and  
Carnations

51 West 28 St. - NEW YORK

**FRANK MILLANG****Wholesale Florist**

55-57 West 26th St., NEW YORK

Shipments, any quantity, Wholesale Market Rates.

**Consignments Requested**

A Good Market and Prompt Returns

**GEORGE SALTFOED**

43 W. 28th Street, NEW YORK

Telephone, 3303 Madison Sq

**VIOLETS**

Finest Grade. Any Quantity

**B. S. SLINN**

55-57 W. 26 St., New York

**Moore, Hentz & Nash****Wholesale Commission Florists**

55 and 57 West 26th Street

Telephone No. 756  
Madison Square New York**MILLANG BROS.****WHOLESALE COMMISSION FLORISTS**

41 West 28th Street

Telephone 3860 Madison  
3861 NEW YORK**JOHN I. RAYNOR****Wholesale Commission Florist** **SELLING AGENT FOR LARGEST GROWERS**

A full line of Choice Cut Flower Stock for all purposes. Comprises every variety grown for New York market, at current prices

TEL. 1998 MADISON SQUARE

49 West 28th St., New York City

**Walter F. Sheridan***Wholesale Commission Dealer in***CHOICE CUT FLOWERS**

39 West 28th Street, New York

Telephone: 3532-3533 Madison Square

**HEADQUARTERS FOR NOVELTIES**  
**ORCHIDS A SPECIALTY**THE HIGHEST  
GRADE OF**VALLEY**ALWAYS  
ON HAND**GARDENIAS, DAISIES, ROSES AND CARNATIONS****JAMES McMANUS**, Telephone 755 Mad. Sq. 42 W. 28th St., New York**PHILIP F. KESSLER**

55 &amp; 57 W. 26th St., New York City

Commission Dealer, Wholesale Buyer  
and Seller ofOpen from 5 a. m. to 6 p. m. Sunday  
till 10 a. m.

Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown.

**Finest Lilies in the Market Every Day in the Year.****CUT FLOWERS****NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES**

	Last Half of Week ending Dec. 19 1908		First Half of Week beginning Dec 21 1908	
American Beauty, Fancy and Special.....	42.00	to 60.00	40.00	to 60.00
" " Extra.....	40.00	to 30.00	20.00	to 30.00
" " No. 1.....	12.00	to 15.00	12.00	to 15.00
" " Lower Grades.....	3.00	to 5.00	3.00	to 8.00
Bride, 'Maid, Fancy and Special.....	8.00	to 12.00	8.00	to 12.00
" " Lower Grades.....	2.00	to 5.00	3.00	to 5.00
Killarney, Fancy and Special.....	8.00	to 15.00	10.00	to 20.00
" " Lower Grades.....	2.00	to 6.00	3.00	to 6.00
Richmond, Fancy and Special.....	8.00	to 15.00	10.00	to 20.00
" " Lower Grades.....	2.00	to 6.00	3.00	to 6.00
Chatenay.....	3.00	to 15.00	3.00	to 15.00
My Maryland.....	4.00	to 20.00	4.00	to 20.00
Golden Gate, Ivory, etc.....	2.00	to 10.00	3.00	to 15.00

**Alexander J. Guttman**  
**THE WHOLESALE FLORIST OF NEW YORK**  
**34 WEST 28th STREET**  
**PHONES. 1664-1665 MADISON SQUARE**  
**ENOUGH SAID**

**TRAENDLY & SCHENCK**  
**Wholesale Florists****Furnish best stock at fair prices all the year round.**

Send for quotations o. F. I. I. Orders.

Tel. 798, 799 Madison Sq.

44 West 28th St., New York City.

**GROWERS' CUT FLOWER CO.****CUT FLOWERS  
AT  
WHOLESALE****VIOLETS, CARNATIONS, ROSES  
ORCHIDS, CHRYSANTHEMUMS, LILIES***Consignments Solicited. Shipments to Order, any Distance*

39 West 28th Street,

Telephone 437 Madison Square  
J. J. COAN, Manager**NEW YORK**



# HARDY CUT FERN

1000. BOXWOOD, per bunch 35c, 50 lbs. \$7.50. Sphagnum Moss, Extra Large Bales, per bale, \$1.25. Fancy and Dagger Ferns our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, INC.,

All 'phone connections

38-40 Broadway, Detroit, Mich.

## WHOLESALE FLORISTS

54 West 28th St.  
NEW YORK

Telephone 3559 Madison Sq.

# A. L. YOUNG & CO.

RECEIVERS & SHIP-  
PERS OF CUT  
FLOWERS.

CONSIGNMENTS SOLICITED.

## WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

## WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

## Greater New York Florists' Association, Inc.

Now Open for Cut Flower Consignments

162 Livingston Street, BROOKLYN, N. Y.

Geo. W. Crawbuck Telephone Connection  
Manager 3642-43 Main

## GEORGE GOTSONAS & CO.

Wholesale and Retail Dealers in all kinds of  
**EVERGREENS**

Fancy and Dagger Ferns  
Bronze and Green Galax

Main Store 50 W. 28 St.

Phone 1202 Mad. Sq.

New York

## HENSHAW & FENRICH

WHOLESALE FLORISTS

44 West 28th St., 5583 Madison Sq. N. Y.

Phones: 325 and 5582 Madison Sq.

Night and Sunday Phone 5582 Madison Sq.

Our Specialty is Everything.

Consignments of the best stock solicited.  
The square deal guaranteed to all who trade here.



## H. G. BERNING

Wholesale Florist

1402 Pine Street, ST. LOUIS, MO.

## REED & KELLER

122 West 25th St., New York

## Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware Decorative Greens and Florists' Requisites

## THE KERVAN CO.

Wholesale Dealers and Shippers of

## Decorative Evergreens

Ferns, Galax, Laurel, Fresh Cycas, Box-  
wood, Sphagnum and all Christmas Greens

Send to us for Quotations before Buying.

113 West 28 Street, NEW YORK CITY

## E. A. BEAVEN

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated — at Wholesale

EVERGREEN, ALABAMA.

## SAMUEL A. WOODROW

WHOLESALE PLANTSMAN

Palms, Large and Small Ferns, etc.

53 West 30th Street,

NEW YORK

Telephone 2083 Madison

## Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

20,000....\$1.75; 50,000....\$7.50. Sample free.

For sale by dealers

## WHOLESALE COMMISSION

Open 6 a.m. Daily

# J. K. ALLEN

106 W. 28th St.

NEW YORK

Tel. 167 Madison Sq.

All Grades of Flowers to Suit All Buyers. Consignments Solicited.

NEW YORK QUOTATIONS PER 100. To Dealers Only

### CARNATIONS AND MISCELLANEOUS

	Last Half of Week ending Dec. 19 1908		First Half of Week beginning Dec. 21 1908	
Carnations, Fancy and Novelties.....	3.00	to 6.00	4.00	to 8.00
Ordinary.....	1.00	to 2.00	2.00	to 3.00
Chrysanthemums.....	5.00	to 10.00	5.00	to 10.00
Cypripediums.....	10.00	to 12.00	10.00	to 12.00
Cattleyas.....	40.00	to 60.00	35.00	to 60.00
Lilies.....	10.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 4.00
Narcissus, Paper White.....	1.00	to 2.00	1.00	to 2.00
Roman Hyacinth.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	1.00	to 1.50	1.00	to 1.50
Gardenias.....	25.00	to 50.00	15.00	to 50.00
Violets.....	.75	to 1.25	.75	to 1.25
Adiantum.....	.50	to 1.00	.50	to 1.00
Crowneum.....	1.00	to 1.25	1.00	to 1.25
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	15.00	to 35.00	15.00	to 35.00
" " & Soreen. (100 bchs.).....	12.00	to 25.00	12.00	to 25.00

### NEW YORK MARKET.

Christmas prices are no longer adjusted in advance in New York. Neither grower nor dealer has any longer the power to place a value on flowers beforehand that can be relied on and buyers no longer submit to elevated values simply because Christmas is a few days off. And this is why, but 18 hours before Christmas morning, we are unable to give the Christmas prices on any flowers that are likely to be in special demand. As for the rest those on which no special demand is looked for, prices remain at the same notch as if no holiday was in sight. Up to the present time there has been practically nothing doing to warrant any advance in rates other than the fact that bright red material is sure to find buyers anyway, and figures have consequently been doubled on red carnations and on some other specialties under the spur of the retailers' desire to appropriate them all in advance and store them away.

Of white material there is a surplus as usual at this time. Christmas greens are a very heavy supply, and the stores are showing wreaths and other made-up goods in great profusion, some of them being beautiful compositions of evergreen foliage, cones and scarlet berries. The plant trade, as far as it concerned the growers, was practically over several days before Christmas, and the responsibility for their further moving was shifted on to the retailers, who, up to the time of this report, have found business rather backward, but are hoping to have a record rush at the last moment.

### WHOLESALE ONLY

## Galax, Ferns and Leucothoe

Direct from the woods to the dealer. Per 1000: Galax, Green, 50c.; Leucothoe Sprays (green only), \$2.00; Ferns, Dagger and Fancy, 70c. Special prices on lots of 100,000 and up. Terms, strictly cash, F. O. B. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO.

Banner Elk, N. C.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. J. Dysart, 28 State St., Boston.  
For page see List of Advertisers.

## AQUILEGIAS

Aquilegias. Genuine Coerulea, finest of all. Both plants and seeds from the heart of the Rockies. C. S. Harrison's Select Nursery, York, Neb.

## ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 West Ontario St., Philadelphia, Pa.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
Araucaria Excelsa.

## ASPARAGUS

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

## ASPARAGUS AND RHUBARB FOR FORCING

Warren Shinn, Woodstown, N. J.

## ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.  
Smith's Peerless.  
For page see List of Advertisers.

## AUCTION SALES

Oleary's Horticultural Co., 62 Vesey St., New York.  
For page see List of Advertisers.

## AUCUBAS

Bobbink & Atkins, Rutherford, N. J.

## AZALEAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

## BAMBOO CANES

Yokohama Nursery Co., 31 Barclay Street, New York.  
Bamboo Sticks, Colored Green.  
For page see List of Advertisers.

## BAY TREES.

Bobbink & Atkins, Rutherford, N. J.  
2000 Bay and Box Trees in all sizes, Pyramid and Standards. Write for list. Julius Roehrs, Rutherford, N. J.

## BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 35 Erie St., Chicago.  
For page see List of Advertisers.

## BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

For page see List of Advertisers.

## BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Red Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

## BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

For page see List of Advertisers.

J. M. Thornburn & Co., 33 Barclay St., New York.

For page see List of Advertisers.

A. T. Boddington, 342 W. 14th St., N. Y.

For page see List of Advertisers.

Rickards Bros., 37 East 19th St., New York.

For page see List of Advertisers.

H. F. Michell Co., Philadelphia.

For page see List of Advertisers.

H. E. Fiske Seed Co., Faneuil Hall Sq., Boston.

For page see List of Advertisers.

T. J. Grey & Co., 32 and 33 So. Market St., Boston.

For page see List of Advertisers.

Yokohama Nursery Co. 31 Barclay St., New York.

For page see List of Advertisers.

Dingee-Conard Co., West Grove, Pa.  
Narcissus Paper White Grandiflora.  
For page see List of Advertisers.

## CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.  
Carnation, Pink Delight.  
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.  
For page see List of Advertisers.

Albert Roper, Tewksbury, Mass.  
Carnation Bay State.  
For page see List of Advertisers.

Bassett & Washburn, Hinsdale, Ill.  
Carnation O. P. Bassett.

For page see List of Advertisers.

East Sudbury Greenhouses, So. Sudbury, Mass.

Carnation Cuttings.  
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.  
Carnations, Rooted Cuttings.  
For page see List of Advertisers.

W. H. Shumway, Berlin, Conn.  
Carnation Edward.

L. E. Marquisee Estate, Syracuse, N. Y.  
Carnation Marchioness.  
For page see List of Advertisers.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
Chrysanthemum Novelties.  
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.  
For page see List of Advertisers.

William Swayne, Kennett Square, Pa.

Chrysanthemum Golden Glow from 214 in. pots, for early spring delivery, \$6.00 per 100. Stock plants of Montmort, Oct. Frost, Crocus, Matchless, Lucey Devaux, Polly Rose and Halliday, \$1.00 per doz.; \$6.00 per 100. Peirce Bros., Waltham, Mass.

Herrington's book on the Chrysanthemum, mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, good strong stock plants from solid bed. White—Polly Rose, Ivory, Clementine Tounet, Alice Roosevelt, Alice Byron, Yellow—Monrovia, Chelton, Mrs. W. Duckham, October Sunshine, Pink—Glory of Pacific, Dr. Engenhard, \$2.50 per 100, assorted as wanted in any quantity. Cash. Chas. Frost, Kenilworth, N. J.

## CONIFERS

John Waterer & Sons, Ltd., American Nursery, Bagshot, Eng.  
For page see List of Advertisers.

## CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

## CYCLAMEN.

Thomas Roland, Nahant, Mass.  
For page see List of Advertisers.

## DAHLIAS

David Herbert & Son, Atco, N. J.  
For page see List of Advertisers.

J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.

Peacock Dahlia Farms, Williamstown Junction, N. J.

Dahlia Miss Virginia Maule.  
For page see List of Advertisers.

East Bridgewater Dahlia Gardens wants your business. If you are looking for dahlias send to the Eastern Dahlia King, J. K. Alexander, East Bridgewater, Mass.

## DAISIES

Daisies, Yellow and White Paris and Queen Alexandra. Rooted Cuttings, \$1.00 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

## DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.  
For page see List of Advertisers.

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.  
For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.  
For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.

A. Schulteis, College Point, N. Y.  
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.  
Palms and Ferns.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

## DRACAENAS

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago, Ill.  
For page see List of Advertisers.

## ECONOMY BRACKET

Buxton & Allard, Nashua, N. H.

## EVERGREENS

New England Nurseries, Bedford, Mass.  
For page see List of Advertisers.

American Nursery Co., 150 Broadway, New York, N. Y.  
For page see List of Advertisers.

Evergreens. Send 25 cents in stamps for complete work on propagating and growing Evergreens. C. S. Harrison's Select Nursery, York, Neb.

# For List of Advertisers See Page 885



**FERNS**

- A. Leuthy & Co., Roslindale, Mass.  
For page see List of Advertisers.
- H. H. Barrows & Son, Whitman, Mass.  
Nephrolepis Whitman.  
For page see List of Advertisers.
- John Scott, Brooklyn, N. Y.  
For page see List of Advertisers.
- Frank Oechslein, 2570-2606 W. Adams St., Chicago.  
Ferns for Dishes.  
For page see List of Advertisers.
- Joseph Heacock Co., Wyncote, Pa.
- The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago, Ill.  
For page see List of Advertisers.
- Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.  
For page see List of Advertisers.
- Henry Weston, Hempstead, N. Y.  
For page see List of Advertisers.

**FERTILIZERS**

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
- Wizard Brand Sheep and Shredded Cattle Manure.
- Robert Simpson, Clifton, N. J.  
Sheep Manure.  
For page see List of Advertisers.

**FICUS**

- Ficus elastica; six inch; extra choice; clean stock, \$40.00 per 100. Collingdale Greenhouses, Collingdale, Pa.

**FLORAL PHOTOGRAPHS**

- Floral Photographs, Foley's, 226-228 1-2 Bowery, New York.

**FLORISTS' LETTERS.**

- Boston Florist Letter Co., 66 Pearl St., Boston, Mass.  
For page see List of Advertisers.

**FLORISTS SUPPLIES**

- N. F. McCarthy & Co., 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Reed & Keller, 122 W. 25th St., New York.  
For page see List of Advertisers.
- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH**

- Park Floral Co., Denver, Colo.  
For page see List of Advertisers.
- Gude Bros. Co., 1214 F St., Washington, D. C.  
For page see List of Advertisers.
- Atlanta Floral Co., Atlanta, Ga.  
For page see List of Advertisers.
- M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.  
For page see List of Advertisers.
- William J. Smyth, Michigan Ave. and 31st St., Chicago.  
For page see List of Advertisers.
- George Wittbold Co., 1657-59 Buckingham Place, Chicago.  
For page see List of Advertisers.
- Jacob Schulz, 644 4th Ave., Louisville, Ky.  
For page see List of Advertisers.
- Thos. F. Galvin, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn, 2 Beacon St., Boston.  
For page see List of Advertisers.
- F. H. Houghton, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMullin, 194 Boylston St., Boston.  
For page see List of Advertisers.
- Hoffman, Florist, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.
- J. Newman & Sons, Inc., 24 Tremont St., Boston.  
For page see List of Advertisers.
- Tailby, Wellesley, Mass.  
For page see List of Advertisers.

**FLOWERS BY TELEGRAPH—  
Continued**

- J. Breitmeyer's Sons, Miami and Gratiot Aves., Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co., 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber, 4326-28 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell, New York.  
For page see List of Advertisers.
- Robert G. Wilson, Fulton St. & Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- M. Bowe, 1294 Broadway, New York.  
For page see List of Advertisers.
- The Blossom (C. C. Trepel, Mgr.), Bond and Livingston Sts., Brooklyn, N. Y.  
For page see List of Advertisers.
- Palmer's, Buffalo, N. Y.  
For page see List of Advertisers.
- F. A. Danker, Albany, N. Y.  
For page see List of Advertisers.
- J. H. Dunlop, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**FLOWER POTS**

- W. H. Ernest, 28th and M Sts., Washington, D. C.  
For page see List of Advertisers.
- A. H. Hews & Co., Cambridge, Mass.  
For page see List of Advertisers.
- Hillinger Bros., Ft. Edward, N. Y.  
For page see List of Advertisers.
- Whilldin Pottery Co., Philadelphia.  
Standard Flower Pots.  
For page see List of Advertisers.
- The Peters & Reed Pottery Co., Red pots, seed pans, etc.  
Zanesville, O.

**FLOWER POT HANDLE AND  
HANGER**

- W. C. Krick, Brooklyn, N. Y.

**GALAX**

- Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.
- George Cotsonas & Co., 50 W. 28th St., New York.  
For page see List of Advertisers.
- No. Carolina Evergreen Co., Banner Elk, North Carolina.  
For page see List of Advertisers.
- The Kervan Co., 113 West 28th St., N. Y.  
For page see List of Advertisers.
- Rice Bros., 115 N. 6th St., Minneapolis, Minn.  
For page see List of Advertisers.
- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston.  
For page see List of Advertisers.

**GARDEN HOSE**

- Jos. Kopecky, So. Bend, Ind.  
For page see List of Advertisers.

**GERANIUMS**

- R. Vincent Jr. & Sons Co., White Marsh, Md.  
New and Standard Varieties.  
For page see List of Advertisers.

**GLADIOLI**

- J. L. Moore, Northboro, Mass.  
For page see List of Advertisers.
- E. S. Miller, Wading River, N. Y.  
For page see List of Advertisers.
- Thomas J. Oberlin, Sinking Spring, Pa.  
Gladiolus America.  
For page see List of Advertisers.
- A. T. Boddington, 342 W. 14th St., New York.  
For page see List of Advertisers.

**GLASS**

- Boston Plate & Window Glass Co., Boston.  
For page see List of Advertisers.
- Standard Plate Glass Co., 26-30 Sudbury St., Boston.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.
- Sharp, Partridge & Co., 22d & Lumber St., Chicago.  
For page see List of Advertisers.
- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham, 1133 Broadway, N. Y.

**GLAZING DEVICES**

- H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.
- GLAZING POINTS, Lord & Burnham Special Glazing Nails (Points). Lord & Burnham, 1133 Broadway, N. Y.

**GREENHOUSE BUILDING MATERIAL**

- Lord & Burnham Co., 1133 Broadway, New York.  
For page see List of Advertisers.
- Pierson U-Bar Co., 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Boston.  
For page see List of Advertisers.
- King Construction Co., N. Tonawanda, New York.  
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.
- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Geo. B. Doane, 18 Midway St., Boston.  
Iron Pipe.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
For page see List of Advertisers.

**GREENHOUSE CONSTRUCTION**

- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham, 1133 Broadway, N. Y.
- J. A. Payne, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- Wm. H. Lutton, West Side Avenue Sta., Jersey City, N. J.  
Curved Iceless Eave.  
For page see List of Advertisers.
- The Weathered Co., New York City.  
For page see List of Advertisers.
- Hitchings & Co., 1170 Broadway, New York.  
For page see List of Advertisers.

**GREENHOUSE HOSE**

- Revere Rubber Co., Boston, Mass.  
Revere Hose.  
For page see List of Advertisers.

**GUTTERS**

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shaped Gutter with drip gutter attachment. Lord & Burnham, 1133 Broadway, N. Y.

**HAIL INSURANCE**

- Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS, MOSS AND  
GREENS**

- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl., Boston, Mass.  
For page see List of Advertisers.
- Michigan Cut Flower Exchange, 38 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**

**HARDY FERNS, MOSS AND GREENS—Continued**

George Cotsonas & Co., 50 W. 28th St., New York.

For page see List of Advertisers.

N. F. McCarthy & Co., 84 Hawley St., Boston.

For page see List of Advertisers.

No. Carolina Evergreen Co., Banner Elk, North Carolina.

For page see List of Advertisers.

The Kervau Co., 113 W. 28th St., N. Y.

For page see List of Advertisers.

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

E. A. Beaven, Evergreen, Ala.

For page see List of Advertisers.

**HEATING APPARATUS**

Lord & Burnham Co., 1133 Broadway, New York.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

John A. Payne, 260-274 Culver Ave., Jersey City, N. J.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

**HELP FURNISHED**

Thos. H. Bambrick, 34 S. 7th St., Phila.

For page see List of Advertisers.

**HERBACEOUS PERENNIALS**

P. Ouwerkerk, P. O. No. 2, Hoboken, N. J.

For page see List of Advertisers.

New England Nurseries, Bedford, Mass.

For page see List of Advertisers.

The Geo. Wittbold Co., 1657 Buckingham Palace, Chicago.

For page see List of Advertisers.

**HOT-BED SASH**

The A. T. Stearns Lumber Co., Neponset, Mass.

For page see List of Advertisers.

Pierson U-Bar Co., 1 Madison Sq., N. Y.

For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th & 26th Sts., Chicago.

Sunlight Double Glass Sash Co., Louisville, Ky.

For page see List of Advertisers.

**INSECTICIDES.**

Nicotinic kills all greenhouse pests.

P. R. Palethorpe Co.,

Eleventh St., Owensboro, Ky.

For page see List of Advertisers.

Stumpp & Walter Co., 50 Barclay St., New York.

Kilmdead Tobacco Dust.

For page see List of Advertisers.

Wilson Plant Oil & Fertilizer Co., Chat-ham, N. J.

Lauren Fumigator.

For page see List of Advertisers.

"The Fumigating Kind Tobacco Powder"—The first on the market and the kind that has so many imitators, has our guarantee tag of satisfaction or money back, and "The Moon Trade Mark" on every bag, \$3.00 per 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y., Makers and sellers.

**JAPANESE PLANTS**

Yokohama Nursery Co., 31 Barclay St., New York.

For page see List of Advertisers.

**KENTIAS**

Godfrey Aschmann, 1012 W. Ontario St., Phila., Pa.

For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.

For page see List of Advertisers.

Jos. Heacock Co., Wyncote, Pa.

Single and Made-Up Specimens.

For page see List of Advertisers.

Henry Weston, Hempstead, N. Y.

For page see List of Advertisers.

**KOSTER'S BLUE SPRUCE WANTED**

J. H. Troy, 24 E. 34th St., New York.

For page see List of Advertisers.

**LEUCOTHOE**

No. Carolina Evergreen Co., Banner Elk, North Carolina.

For page see List of Advertisers.

**LEVELS FOR LANDSCAPE GARDENING USE.**

Bostrom-Brady Mfg. Co., 139 Madison Ave., Atlanta, Ga.

For page see List of Advertisers.

**LILY OF THE VALLEY PIPS**

Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, Denmark.

For page see List of Advertisers.

**MUSHROOM SPAWN**

Use Anglo-American Mushroom Spawn made "Direct from Spores." Write for pamphlet. Anglo-American Spawn Co., Kennett Square, Pa.

Mushroom Spawn, Swanson "Pure Culture," John F. Flood Co., East St., Dedham, Mass.

**NEW AND RARE PLANTS**

Rose Hill Nurseries, New Rochelle, N. Y.

For page see List of Advertisers.

**NICO-FUME**

Kentucky Tobacco Product Co., Louisville, Ky.

**NURSERY STOCK**

John Waterer & Sons, Ltd., American Nursery, Bagshot, England.

For page see List of Advertisers.

Cleary's Horticultural Co., 62 Vesey St., New York.

For page see List of Advertisers.

P. Ouwerkerk, 216 Jane St., Weehawken Heights, N. J.

For page see List of Advertisers.

D. J. Twomey, Dept. H, Geneva, N. Y.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

American Nursery Co., 150 Broadway, New York, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS, ELLWANGER & BARRY, Rochester, N. Y.

**ONION SEED**

Federico C. Varela, Tenerife, Canary Ids. Bermuda Onion Seed.

For page see List of Advertisers.

**ORANGE TREES**

Bobbink & Atkins, Rutherford, N. J.

**ORCHID BASKETS**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

**ORCHID PLANTS**

Lager & Hurrell, Summit, N. J.

For page see List of Advertisers.

Sander, St. Albans, England.

Importers, Exporters, Growers, Hybridists.

For page see List of Advertisers.

Carrillo & Baldwin, Syracuse, N. Y.

For page see List of Advertisers.

Jos. A. Manda, 191 Valley Road, W. Orange, N. J.

For page see List of Advertisers.

Ordenez Bros., Madison, N. J., Box 105.

For page see List of Advertisers.

Largest stock in the country. Ask for prices. Julius Roehrs, Rutherford, N. J.

**PAINT AND PUTTY**

PAINT AND PUTTY: Ideal Greenhouse lead; Special Greenhouse Putty. Lord & Burnham, 1133 Broadway, N. Y.

**PALMS**

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

Joseph Heacock Co., Wyncote, Pa.

Home-Grown Palms.

For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

**PANSY PLANTS.**

Pansies, extra fine giant flowering, strong plants, 30 cents per 100; \$2.50 per 1000. Edw. Wallis, Atco, N. J.

**PATENTS**

Siggers & Siggers, Washington, D. C.

For page see List of Advertisers.

**PEAT**

J. A. Manda, 191 Valley Rd., W. Orange, New Jersey.

For page see List of Advertisers.

Orchid peat, Rotted peat, Azalea peat, Leaf-Mould, Live Sphagnum moss, Baled Sphagnum moss, Green Clump moss, etc. Jobbers' list on application. C. W. Brownell & Co., Walden, N. Y.

Orchid Peat and Moss always on hand. Julius Roehrs Co., Rutherford, N. J.

**PEONIES**

Peonies only, by the wholesale—best 100 varieties. J. F. Rosenfeld, Westpoint, Nebr.

One of the finest collections in America. Send 25 cts. in stamps for new edition of Peony Manual. C. S. Harrison's Select Nursery, York, Neb.

**PHLOXES**

Send 25 cts. in stamps for Phlox Manual. Fine mixed phloxes \$2.00 per 100. C. S. Harrison's Select Nursery, York, Neb.

**PIPE AND FITTINGS**

Foley Mfg. Co., between Western Ave. and 26th St., Chicago, Ill.

For page see List of Advertisers.

Kroeschell Bros. Co., 35 Erie St., Chicago.

For page see List of Advertisers.

PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

**PLANT STANDS**

Moore-Livingston Co., Landsdowne, Pa.

For page see List of Advertisers.

**POT HANGERS**

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

**POINSETTIAS (Artificial)**

Poinsettias, artificial decorations our specialty. Sample lots of 50 in 3 sizes, \$4.00; 100 lots, \$6. \$8, \$10. J. Stern & Co., 125 N. 10th St., Philadelphia, Pa.

**PRUNING SHEARS**

Rhodes Mfg. Co., Dept. R., Grand Rapids, Mich.

**RAFFIA**

Raffia (colored), 20 beautiful shades. Samples free. R. H. Comey Co., Camden, N. J.; 810 Washburn Ave., Chicago, Ill.

**RETAIL FLORISTS**

Park Floral Co., Denver, Colo.

For page see List of Advertisers.

Gude Bros. Co., 1214 F St., Washington, D. C.

For page see List of Advertisers.

Atlanta Floral Co., Atlanta, Ga.

For page see List of Advertisers.

M. C. & J. E. Hauswirth, 232 Michigan Ave., Chicago.

For page see List of Advertisers.

William J. Smyth, Michigan Ave. and 81st St., Chicago.

For page see List of Advertisers.

George Wittbold Co., 1657-59 Buckingham Place, Chicago.

For page see List of Advertisers.

Jacob Schulz, 644 4th Ave., Louisville, Ky.

For page see List of Advertisers.

**For List of Advertisers See Page 885**

**RETAIL FLORISTS—Continued**

- Thos. F. Galvin**, 124 Tremont St., Boston.  
For page see List of Advertisers.
- Julius A. Zinn**, 2 Beacon St., Boston.  
For page see List of Advertisers.
- Frank H. Houghton**, 396 Boylston St., Boston.  
For page see List of Advertisers.
- Edward MacMulkin**, 194 Boylston St., Boston.  
For page see List of Advertisers.
- Hoffman, Florist**, 59-61 Massachusetts Ave., Boston.  
For page see List of Advertisers.
- J. Newman & Sons, Inc.**, 24 Tremont St., Boston.  
For page see List of Advertisers.
- Tailby, Wellesley, Mass.**  
For page see List of Advertisers.
- J. Breitmeyer's Sons**, Detroit, Mich.  
For page see List of Advertisers.
- Samuel Murray**, 1017 Broadway, Kansas City, Mo.  
For page see List of Advertisers.
- Wm. L. Rock Flower Co.**, 1116 Walnut St., Kansas City, Mo.  
For page see List of Advertisers.
- Fred C. Weber**, 4326 Olive St., St. Louis, Mo.  
For page see List of Advertisers.
- H. G. Eyres**, 11 N. Pearl St., Albany, N. Y.  
For page see List of Advertisers.
- David Clarke's Sons**, 2139-2141 Broadway, New York.  
For page see List of Advertisers.
- Alex. McConnell**, New York.  
For page see List of Advertisers.
- Robert G. Wilson**, Fulton St. and Greene Ave., Brooklyn, N. Y.  
For page see List of Advertisers.
- Young & Nugent**, 42 W. 28th St., N. Y.  
For page see List of Advertisers.
- M. Bowe**, 1294 Broadway, New York.  
For page see List of Advertisers.
- The Blossom (C. C. Trepel, Mgr.)**, Bond and Livingston Sts., Brooklyn, N. Y.  
For page see List of Advertisers.
- Palmer's Buffalo**, N. Y.  
For page see List of Advertisers.
- F. A. Danker**, Albany, N. Y.  
For page see List of Advertisers.
- J. H. Dunlop**, 96 Yonge St., Toronto, Can.  
For page see List of Advertisers.

**RHODODENDRONS**

- John Waterer & Sons, Ltd.**, American Nursery, Bagshot, England.  
For page see List of Advertisers.
- P. Ouwerkerk**, Hoboken, N. J.  
For page see List of Advertisers.
- Bobbink & Atkins**, Rutherford, N. J.
- Anthony Waterer**, Knap Hill Nursery, Surrey, Eng.  
For page see List of Advertisers.

**ROSES**

- Robert Craig Co.**, Market and 49th Sts., Philadelphia, Pa.  
For page see List of Advertisers.
- P. Ouwerkerk**, P. O. No. 2, Hoboken, N. J.  
For page see List of Advertisers.
- Julius Roehrs Co.**, Rutherford, N. J.  
Rose Newport Fairy.  
For page see List of Advertisers.
- Waban Rose Conservatories**, Natick, Mass., and 3A Somerset St., Boston.  
New Forcing Rose White Killarney.  
For page see List of Advertisers.
- The F. R. Pierson Co.**, White Killarney and My Maryland, Tarrytown-on-Hudson, N. Y.  
For page see List of Advertisers.
- W. A. Finger**, Hicksville, L. I., N. Y.  
Roses, strong, own root, 4 inch Chateau, Killarney, Richmond and Mald., \$8 per 100.  
**Siebrecht & Son**, New Rochelle, N. Y.  
Hand Book of Cultural Notes on Roses Under Glass, by F. P. Brigham, mailed to your address for 25c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

**SCALECIDE**

- B. G. Pratt Co.**, 50 Church St., New York.  
For page see List of Advertisers.

**SEED GROWERS**

- C. C. Morse & Co.**, 48-56 Jackson St., San Francisco, Cal.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co.**, Cauliflower and Cabbage Seed.  
12 Stormgade, Copenhagen, Denmark.  
For page see List of Advertisers.
- A. J. Pieters Seed Co.**, Hollister, Calif.  
Sweet Pea and Onion Seed.  
For page see List of Advertisers.
- Federico C. Varela**, Tenerife, Canary Ids.  
Bermuda Onion Seed.  
For page see List of Advertisers.

**SEEDS**

- 1. J. Gray Co.**, 32 So. Market St., Boston.  
For page see List of Advertisers.
- Joseph Breck & Sons**, 51 and 52 N. Market St., Boston, Mass.  
For page see List of Advertisers.
- W. Atlee Burpee & Co.**, Philadelphia.  
For page see List of Advertisers.
- J. M. Thorburn & Co.**, 33 Barclay St., N. Y.  
For page see List of Advertisers.
- Arthur T. Boddington**, 342 W. 14th St., New York.  
For page see List of Advertisers.
- H. F. Michell Co.**, 1018 Market St., Phila.  
For page see List of Advertisers.
- Hjalmar Hartmann & Co.**, 12 Stormgade, Copenhagen, Denmark.  
Cauliflower and Cabbage Seed.  
For page see List of Advertisers.
- Richards Bros.**, 87 E. 19th St., New York.  
For page see List of Advertisers.
- R. & J. Farquhar & Co.**, 6-7 So. Market St., Boston.  
Mignonette Seed.  
For page see List of Advertisers.
- H. E. Fliske Seed Co.**, Faneuil Hall Sq., Boston.  
For page see List of Advertisers.
- C. C. Morse & Co.**, 48-56 Jackson St., San Francisco, Calif.  
For page see List of Advertisers.
- Leonard Seed Co.**, Chicago, Ill.  
For page see List of Advertisers.
- A. J. Pieters Seed Co.**, Hollister, Calif.  
Sweet Pea and Onion Seed.  
For page see List of Advertisers.
- Seeds. Rocky Mountain Evergreen seeds** in large or small quantities. **C. S. Harrison's Select Nursery**, York, Neb.  
My own new crop of **SALVIA SPLENDENS VARIETIES** is now ready: Nana Compacta **ZURICH**, finest early flowering pot Salvia in existence, selected seeds. Compacta Grandiflora **FIREBALL**, best of all for pots and groups, selected seeds. Grandiflora Ameliorata **KING OF THE SCARLETS**, unexcelled for late groups, with extra large deep scarlet spikes, selected seeds. Each of above per Tr. Pkt., 50c.; 6 Tr. Pkt., \$2.50. Larger quantities on special quotation. **O. V. ZANGEN**, Seedsman, Hoboken, N. J.

**SHRUBS**

- The Geo. Wittbold Co.**, 1657 Buckingham Palace, Chicago.  
For page see List of Advertisers.

**SILKALINE**

- John C. Meyer & Co.**, Boston, Mass.  
For page see List of Advertisers.

**SPHAGNUM MOSS**

- Live Sphagnum moss**, orchid peat and orchid baskets always on hand. **Lager & Hurrell**, Summit, N. J.

**SPRAYERS**

- "SHOWERMAKER,"** \$1. **Jos. Kopcsay**, So. Rend, Ind.  
For page see List of Advertisers.

**STEAM TRAP**

- E. Hippard**, Youngstown, O.

**STRAWBERRY PLANTS**

- H. L. Crane**, Westwood, Mass.  
Barrymore Strawberry.  
For page see List of Advertisers.

**SWEET PEAS**

- A. C. Zvolanek**, Round Brook, N. J.  
Winter Flowering.  
For page see List of Advertisers.

**TO-BAK-INE**

- E. H. Hunt**, Genl. Agt., 76-78 Wabash Av., Chicago.  
For page see List of Advertisers.

**VENTILATING APPARATUS**

- Pierson U-Bar Co.**, 1 Madison Sq., N. Y.  
For page see List of Advertisers.
- Foley Mfg. Co.**, Western Ave., between 25th & 26th Sts., Chicago.  
For page see List of Advertisers.
- John A. Payne**, 260-274 Culver Ave., Jersey City, N. J.  
For page see List of Advertisers.
- The Advance Co.**, Richmond, Ind.  
For page see List of Advertisers.
- Quaker City Machine Co.**, Richmond, Ind.  
20th Century Ventilating Arm.  
For page see List of Advertisers.
- VENTILATING MACHINERY**, New Model encased, self-oiling gear; Standard Model Open Gear. **Lord & Burnham**, 1120 Broadway, N. Y.

**VIOLETS**

- Violets**, Campbell rooted runners, 75c. per 100. **John A. Burns**, 8842 Frankford Ave., Holmesburg, Philadelphia, Pa.

**VINCAS**

- Vinca variegata**, Rooted Cuttings; \$1 per 100; prepaid. **Chas. Frost**, Kenilworth, N. J.

**WAX FLOWERS**

- We are originators of wax designs and still the standard concern. **J. Stern & Co.**, 125 N. 10th St., Philadelphia, Pa.

**WIRED TOOTHPICKS**

- W. J. Cowee**, Berlin, N. Y.  
For page see List of Advertisers.

**WIREWORK**

- Reed & Keller**, 122 W. 25th St., N. Y.  
For page see List of Advertisers.
- Wirework**. Write for our catalogue. **Holton & Hunkel Co.**, Milwaukee, Wis.
- William E. Hellscher's Wire Works**, 88-40 Broadway, Detroit, Mich.
- Headquarters for wire work**. Send for list. **Ball & Betz**, 31 E. 3rd St., Cincinnati, O.
- Wirework—Compare our prices with others**. **Scranton Florist Supply Co.**, 201 N. 7th St., Scranton, Pa.

**WHOLESALE FLORISTS  
Boston**

- N. F. McCarthy & Co.**, 84 Hawley St., Boston.  
For page see List of Advertisers.
- H. M. Robinson & Co.**, 15 Province St. and 9 Chapman Pl., Boston.  
For page see List of Advertisers.
- Welch Bros.**, 226 Devonshire St., Boston.  
For page see List of Advertisers.
- Tailby, Wellesley, Mass.**  
For page see List of Advertisers.

**Chicago**

- Chas. W. McKellar**, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- Peter Reinberg**, 51 Wabash Ave., Chicago.  
For page see List of Advertisers.
- E. F. Winterson Co.**, 45-49 Wabash Ave., Chicago.  
For page see List of Advertisers.
- J. A. Budlong**, 37-39 Randolph St., Chicago.  
For page see List of Advertisers.
- Poehlmann Bros. Co.**, Morton Grove, Ill.  
For page see List of Advertisers.

**Cromwell, Conn.**

- A. N. Pierson**, Cromwell, Conn.  
For page see List of Advertisers.

**Detroit**

- Michigan Cut Flower Exchange**, 88 and 40 Broadway, Detroit, Mich.  
For page see List of Advertisers.

**In writing to Advertisers kindly mention Horticulture**



# THE WHILLDIN POTTERY COMPANY

## THE LARGEST MANUFACTURERS OF

# STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

### WHOLESALE FLORISTS—

Continued

#### Minneapolis

Rice Bros., 115 N. 6th St., Minneapolis, Minn.

For page see List of Advertisers.

#### New York

Ford Bros., 48 W. 28th St., New York.  
For page see List of Advertisers.

H. E. Froment, 57 W. 28th St., New York.  
For page see List of Advertisers.

Alex. J. Guttman, 34 W. 28th St., New York.  
For page see List of Advertisers.

E. C. Horan, 55 W. 28th St., New York.  
For page see List of Advertisers.

A. H. Langjahr, 55 W. 28th St., New York.  
For page see List of Advertisers.

James McManus, 42 W. 28th St., New York.  
For page see List of Advertisers.

John I. Raynor, 49 W. 28th St., New York.  
For page see List of Advertisers.

W. F. Sheridan, 39 W. 28th St., New York.  
For page see List of Advertisers.

Traendly & Schenck, 44 W. 28th St., New York.  
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.

Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.  
For page see List of Advertisers.

Philip F. Kessler, 55 and 57 W. 26th St., New York.  
For page see List of Advertisers.

Millang Bros., 41 W. 28th St., New York.  
For page see List of Advertisers.

John Young, 51 W. 28th St., New York.  
For page see List of Advertisers.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.,  
For page see List of Advertisers.

George Saltford, 43 W. 28th St., New York.  
For page see List of Advertisers.

Frank Millang, 55-57 W. 26th St., New York.  
For page see List of Advertisers.

B. S. Slinn, 55-57 W. 26th St., New York.  
For page see List of Advertisers.

A. L. Young & Co., 54 W. 28th St., N. Y.  
For page see List of Advertisers.

Growers' Cut Flower Co., 39 W. 28th St., New York.  
For page see List of Advertisers.

Henshaw & Fenrich, 44 W. 28th St., New York.  
For page see List of Advertisers.

J. K. Allen, 106 W. 28th St., New York.  
For page see List of Advertisers.

#### Philadelphia

W. E. McKissick & Bros., 1619-1621 Ransstead St., Philadelphia, Pa.  
For page see List of Advertisers.

Leo Niessen Co., 1209 Arch St., Philadelphia, Pa.  
For page see List of Advertisers.

The S. S. Pennock-Meehan Co., 1608-13 Ludlow St., Philadelphia, Pa.  
For page see List of Advertisers.

#### St. Louis

H. G. Berning, 1402 Pine St., St. Louis, Mo.  
For page see List of Advertisers.

### WHOLESALE PLANTSMAN

Samuel A. Woodrow, 53 W. 30th St., New York.

For page see List of Advertisers.

### WILD SMILAX

E. A. Beaven, Evergreen, Ala.  
Southern Wild Smilax; Log Mosses.  
For page see List of Advertisers.

### New Offers in This Issue.

#### CARNATION MAY DAY.

E. G. Hill Co., Richmond, Ind.  
E. T. Grave, Richmond, Ind.  
For page see List of Advertisers.

#### CHRYSANTHEMUM GOLDEN GLOW.

S. J. Goddard, Framingham, Mass.  
For page see List of Advertisers.

#### CHRYSANTHEMUMS.

Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.

#### GROUND BONE FOR POTTING.

Wm. Elliott & Sons, 42 Vesey St., New York.

For page see List of Advertisers.

#### INSECTICIDE, NIAGARA BRAND: SPRAYERS.

Niagara Sprayer Co., Middleport, N. Y.  
For page see List of Advertisers.

#### NEW CROP SEED FOR EARLY PLANTING.

T. J. Grey Co., 32 So. Market St., Boston.  
For page see List of Advertisers.

#### RETAIL FLORIST.

Myer, 609 11 Madison Ave., New York.  
For page see List of Advertisers.

#### RETAIL FLORIST.

Thos. Young, Jr., 500 Fifth Av., New York.  
For page see List of Advertisers.

#### RETAIL FLORIST.

Newman Floral Co., 202 Fifth Av. & Madison Sq., New York.  
For page see List of Advertisers.

#### VERBENA SEED: DIELYTRA SPECTABILIS.

H. F. Michell Co., 1018 Market St., Phila.  
For page see List of Advertisers.



### STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.88	120 7 in. pots in crate	\$4.20
1500 2 1/2 " " "	5.25	60 8 in. " " "	3.60
1500 2 1/2 " " "	6.00	HAND MADE	
1000 3 " " "	5.00	48 9 in. pots in crate	\$3.60
800 3 1/2 " " "	5.80	48 10 " " "	4.50
500 4 " " "	4.50	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
144 6 " " "	3.16	12 14 " " "	4.80

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

### HELP WANTED

## GOOD MEN

When you need good men, skilled or unskilled, Write:

## THOS. H. BAMBRICK

34 South 7th Street Philadelphia

Help of all kinds, including that for Florists, Nurserymen, Seedsmen and the Horticultural trade generally.

### WANTED

Travelling Salesman to sell Seeds, Plants, Bulbs, etc. Address giving age, experience, also references.

**HENRY A. DREER, Inc.**  
Philadelphia, Pa.

WANTED—A working nursery foreman and salesman, one who understands the value of imported plants. Reply to Salesman, care this paper. Correspondence considered private.

WANTED A working nursery foreman and salesman. A good salary to the right man. A young man preferred and must like the business. Address, giving references and experience. Experience, care HORTICULTURE.

### SITUATIONS WANTED

SITUATION WANTED—By practical landscape gardener and florist; private or commercial; middle aged; married. J. Hodge, 44 West St., Fitchburg, Mass.

### FOR SALE

FOR SALE—5000 feet, 2-in., 1000 feet, 4-in., wrought iron pipe; 4000 feet of 4-in. cast iron pipe, clean; 500 boxes 10 x 12, \$1.50; 150 boxes 10 x 15, \$1.70; and 100 boxes of 8 x 10, double-thick and clean glass, at \$1.25 per box. Two Scollay, 3 sections, two Scollay No. 5, one No. 17 Hitebings, and one No. 8 Furnan boilers. All kinds ventilating apparatus and sash, cast iron fittings, valves, expansion tanks, etc. Everything in first class condition. Cheap. F. O. B. Newark car. I. Sueserman, 229 Livingston St., Newark, N. J.

FOR SALE—Retail nursery, sixth year, doing good, steady and increasing trade. Stock in excellent condition. Only local supply for community of 50,000. For particulars address R. N., care HORTICULTURE, Boston.

### MISCELLANEOUS WANTS

WANTED TO BUY—Complete greenhouse plants and all kinds of greenhouse material, to be taken down and removed at once. Terms cash. Address I. Sueserman, 229 Livingston St., Newark, N. J.

## Standard Flower.. POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money

**W. H. ERNEST**

28th and M Street WASHINGTON D. C.



## List of Advertisers

Page	Page
Advance, The Co.....87	Meyer J. C. & Co.....875
Allen J. K.....879	Michell H. F. Co.872-885
American Nursery.....865	Michigan Cut Flower
Aschmann Godfrey.....871	Exchange.....879
Atlanta Floral Co.....875	Millang Bros.....878
Bambrick Thos. H.....884	Millang Frank.....878
Barrows H. H. & Son.....859	Miller, E. S.....859
Bassett & Washburn.....858	Moninger J. C.....887
Bayersdorfer H. & Co.....875	Moore, J. L.....860
Beaven E. A.....879	Moore, Hentz & Nash.....878
Berning H. G.....879	Moore-Livingston Co.....875
Blossom The.....874	Morse C. C. & Co.....873
Boddington A. T.....859	Murray Samuel.....874
Boston Florist Letter	New Eng. Nurseries.....860
Co.....875	Newman Floral Co.....874
Boston Plate and Win-	Newman J. & Sons.....875
dow Glass Co.....886	Niagara Sprayer Co.....885
Boström-Brady Mfg.	Niessen Leo. Co.....876
Co.....877	North Carolina Ever-
Bowe, M. A.....874	green Co.....879
Breck Joseph & Sons.....873	Oberlin Thos. J.....859
Brünnmeyer's J. Sons.....875	Oechslin Frank.....858
Bridgeman's Seed	Ordóñez Bros.....871
Warehouse.....873	Ouwkerk P.....860
Budlong J. A.....876	Paethorpe P. R. Co.....885
Burpee W. A. & Co.....873	Palmer W. J.....875
Carrillo & Baldwin.....871	Park Floral Co.....874
Chicago Carnation	Payne John A.....886
Co.....858	Peacock Dahlia Farms.....860
Clarke's David, Sons.....874	Pennock-Meehan Co.....876
Cleary's Horticultural	Perkins St. Nurseries.....859
Co.....860	Pierson, A. N.....871
Coan J. J.....878	Pierson F. R. Co.....870
Cottons Geo. & Co.....879	Pierson U Bar Co.....888
Cowee W. J.....879	Pieters A. J. Seed Co.....873
Craig, Robt. Co.....860	Poehlmann Bros. Co.....876
Crane H. L.....860	Pratt B. G. Co.....885
Crawback Geo. W.....879	Quaker City Machine
Danker F. A.....875	Co.....887
Dingee & Conard Co.....859	Raynor John L.....878
Doane Geo. B. & Son.....887	Reed & Keller.....879
Dorner F. Sons & Co.....858	Reinberg Peter.....876
Dreer H. A.....886	Revere Rubber Co.....886
Dunlop John H.....874	Rice Bros.....876
Dysart R. J.....875	Rickards Bros.....873
East Sudbury Green-	Robinson H. M. & Co.....876
houses.....858	Rock Wm. L. Flo. Co.....874
Edwards Folding Box	Roehrs Julius Co.....860-871
Co.....876	Roper Albert.....858
El Iott Wm & Sons.....873	Roland, Thomas.....858
Eisler J. G.....885	Rolker August & Sons.....884
Ernest W. H.....884	Rose Hill Nurseries.....860
Eyres.....874	Saltford Geo.....878
Farquhar R. & J. & Co.....873	Sander & Son.....871
Fiske, H. E. Seed Co.	Schultheis Anton.....858
873-885	Schulz Jacob.....875
Foley Mfg. Co.....887	Scott, John.....859
Ford Bros.....878	Sharp, Partridge & Co.....886
Froment H. E.....878	Sheridan W. F.....878
Galvin Thos. F.....875	Siggers & Siggers.....886
Goddard S. J.....858	Simpson Robt.....872
Grave E. T.....858	Situations & Wants.....884
Greater N.Y. Florists'	Slinn B. S.....878
Association.....879	Smith Elmer D. & Co.....859
Grey T. J. Co.....873	Smyth Wm. J.....874
Growers' Cut Flower	Standard Plate Glass
Co.....878	Co.....886
Gude Bros. Co.....874	Stearns A. T. Lumber
Gutman Alex. J.....878	Co.....887
Hall Asso.....885	Stumpp & Walter Co.....885
Hartmann Hjalmar &	Sunlight Double Glass
Co.....873	Sash Co.....886
Hauswirth M. C. & J. E.....874	Tailby.....875
Heacock Jos. & Co.....859	Thorburn J. M. & Co.....873
Henshaw & Fenrich.....879	Totty Chas. H.....858
Herbert David & Son.....860	Traendly & Schenck.....878
Hews A. H. & Co.....884	Trepel C. C.....871
Hilfinger Bros.....884	Troy J. H.....871
Hill, The E. G. Co.....858-860	Twomey D. J.....860
Hitchings & Co.....888	Valentine, J. A.....874
Hoffman.....875	Varela F. C.....873
Horan E. C.....878	Vincent R. Jr. & Sons.....859
Houghton F. H.....875	Waban Rose Conser-
Hunt E. H.....885	vatories.....860
Kervan The Co.....879	Ward R. M. & Co.....860
Keisler, P. F.....878	Waterer A.....860
King Cons. Co.....887	Waterer John & Sons.....860
Knap Hill Nursery.....860	Weathered Co.....886
Kopcsay Jos.....887	Weber F. C.....874
Krieschell Bros. Co.....887	Welch Bros.....876
Kuebler Wm. H.....879	Whilldin Pottery Co.....884
Lager & Hurrell.....871	Weston H.....859
Langjahr, Alfred H.....878	Wilson.....874
Leonard Seed Co.....873	Wilson Plant Oil &
Leuthy A. & Co.....879	Fertilizer Co.....885
Lord & Burnham Co.....888	Winterson, E. F. Co.....876
Lutton W. H.....887	Witthold Geo. Co.....850
Manda Jos. A.....871	Wood Bros.....858
Marquisee Louis E.....858	Woodrow Sam'l A.....879
MacMulklin E. A.....875	Yokohama Nursery Co.....859
McCarthy N. F. & Co.....879	Young A. L.....879
McConnell Alex.....874	Young John.....878
McKellar Charles W.....876	Young, Thos. Jr.....874
McKissick, W. E. &	Young & Nugent.....874
Bros.....876	Zinn Julius A.....875
McManus Jas.....878	Zvolanek A. C.....873
Meyer.....874	



## The Lauten Fumigator

(PATENTED)

Write for Prices and Particulars.

Burns Tobacco Stems, the cheapest and most effective fumigating medium yet found.

Costs no more than one box Tobacco Paper and will last a lifetime.

Will not blaze or emit any foreign gases.

Will not discolor or cripple flowers.

Is easy to handle and there is no danger of fire in using.

Will burn 5 or 6 hours without attention.

Will exterminate aphids absolutely with one operation.

Write for prices of all Supplies for the Grower

**WILSON PLANT OIL & FERTILIZER CO.** CHATHAM  
New Jersey

## For Trees, Plants, Shrubs and Flowers

### USE THE NIAGARA BRAND LIME SULPHUR SOLUTION

It destroys Scale Lice, Spiders and all forms of Aphides, AT THE SAME TIME Mildew, Blight, Rust and other Fungus difficulties.

Used in Winter or Summer. — No other remedy has been so universally effective.

Niagara Brand ARSENATE OF LEAD for chewing insects is equal to the best and better than the most.

Ask about our Green House sprayer. Address —

**NIAGARA SPRAYER CO., - - Middleport, N. Y.**

## "SCALECIDE"

TRADE MARK REG. U. S. PAT. OFF.

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective & cheaper than lime sulphur. Not an experiment.

Write for FREE sample and endorsement of fruit growers and entomologists who have used it for years.

Prices: 50-gal. bbl., \$25.00; 30-gal. tin, \$15.00; 10-gal. can, \$6.00; 5-gal. can, \$3.25; 1-gal. can, \$1.00, f. o. b. New York. One gallon makes 16 to 20 gallons spray by simply adding water.

"Pocket Diary and Spray Calendar for 1909 sent FREE. Mention this paper."

**B. G. PRATT CO., Mfg. Chemists, 50 Church St., Dept. W, NEW YORK CITY.**

## DON'T EXPERIMENT

USE

## To-BAK-INE

and your stock will be free from insects, clean, and the blooms will not be discolored.

Send for full information of

**H. E. FISKE SEED CO.**  
13 Faneuil Hall Sq., Boston, Mass.

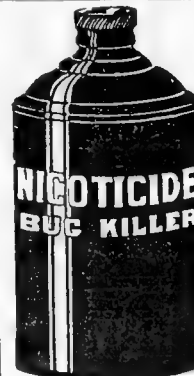
**STUMPP & WALTER CO.,**  
50 Barclay St., New York.

**HENRY F. MICHELL & CO.,**  
1018 Market St., Philadelphia.

**E. H. HUNT, Gen'l Agent,**  
76-78 Wabash Ave., Chicago.

PATENTS GRANTED.

906,068. Machine for Destroying Potato Bugs. Otto Schnicke, Orlean Centre, Mich.



## The Best Bug Killer and Bloom Saver

For PROOF Write to

**P. R. Paethorpe Co.**  
OWENSBORO, KY.

## KILMDEAD TOBACCO DUST

Free from Sand or Dirt Kind FOR FUMIGATING AND DUSTING

Dusted on Plants it covers large surface. One Quality for Both Uses.

Our Tobacco Dust is the pure tobacco, free from sand and dirt, strong in Nicotine and always of the same strength, making it superior to any dust on the market. Costs you no more than the ordinary product and will do twice the work. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

**STUMPP & WALTER CO.**  
50 Barclay St., New York

**The FLORISTS' HAIL ASSOCIATION OF AMERICA**, insurer of 29,000,000 sq. ft. of glass. For particulars address **John C. Esler, Sec'y, Saddle River, N. J.**

In ordering goods please add "I saw it in HORTICULTURE."

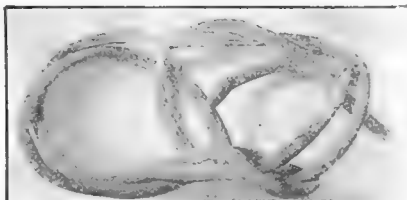
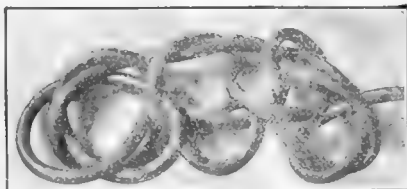


# "REVERO"

Braided Moulded Construction—Seamless Throughout



**LIGHT--STRONG--FLEXIBLE**



The above cuts represent the non-kinking tendency of Revere as compared with the old style hose of wrapped duck construction.

Revere is Furnished on Reels in Continuous Lengths up to 500 feet.

**Revere Rubber Company,**  
BOSTON, MASS.

NEW YORK  
NEW ORLEANS

PHILADELPHIA  
MINNEAPOLIS

PITTSBURG  
SAN FRANCISCO

CHICAGO  
PORTLAND, ORE.

**SUNLIGHT**  
**DOUBLE-GLASS**  
**SASH** PATENTED

**FOR  
HOT-BEDS  
AND COLD FRAMES**

ADDRESS  
Sunlight Double-Glass Sash Company  
929 East Broadway  
LOUISVILLE, KY.

The double layer of glass  
does it

Lets in the light always.  
Never has to be covered or uncovered; no boards or mats needed.

Retains the heat, excludes the cold.  
Makes stronger and earlier plants.  
Glass slips in; no putty; cannot work loose; easily repaired.

Ask for 'catalog W' It tells all about Sunlight sash.  
Special catalog for greenhouse material.

## STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

**FRENCH OR AMERICAN GREENHOUSE GLASS**

LOWEST PRICES ON REQUEST

26-30 Sudbury St.

BOSTON, MASS.

61-63 Portland St.

# GLASS

Always Write Us Before Buying  
**SHARP, PARTRIDGE & CO.**  
22nd and Lumber Streets, CHICAGO  
WE HAVE SOME SNAPS

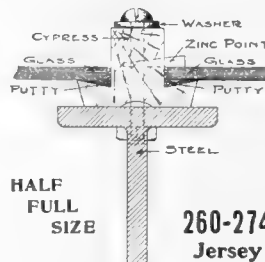
Prices Quoted in these Columns are for Dealers Only.  
When Writing to Advertisers Please Mention  
HORTICULTURE.



## The "T" Bar Curved Eave Greenhouse

Is absolutely Drippless, glass rests on Wood, reducing breakage and condensation, less wood than any other construction, wood all exposed—all steel inside, all wood outside.

Greenhouses of Every Type



**JOHN  
A.  
PAYNE**

Greenhouse  
Designer and  
Builder

260-274 Culver Ave.  
Jersey City, N. J.

## THE WEATHERED COMPANY

erect the house of

## GREATEST SUNLIGHT

Iron Frame Semi-Iron Frame  
or All-Sash-Bar Houses  
Erected or Material Furnished

Send for Catalogue

P. O. Address Box 739  
NEW YORK CITY N. Y.

## PATENTS

Trademarks and  
Copyrights

Send your business direct to Washington.  
Saves time and insures better service.  
Personal attention guaranteed.  
Twenty-five years' active service.  
SPECIALTY: "Working on the Failure of Others."

**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.

BOSTON PLATE & WINDOW GLASS CO.

## GREENHOUSE GLASS

German and American

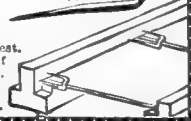
261 to 287 A St., Boston 20-22 Canal St.

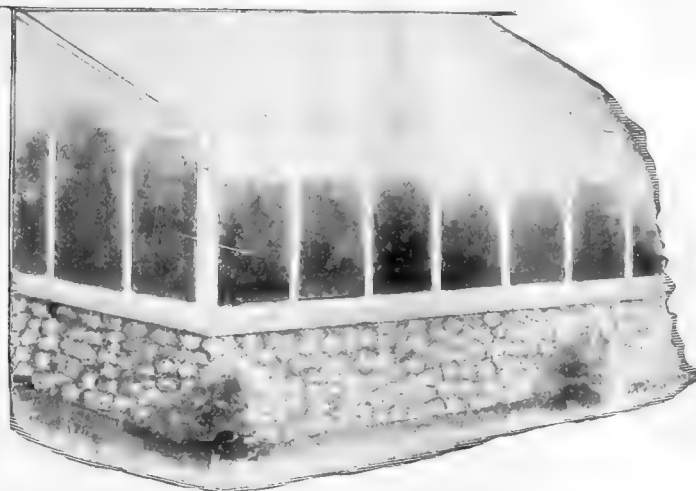
Holds Glass  
Firmly

See the Point **PEERLESS**

Glazing Points are the best.  
No chisels or levers. Box of  
100 points 75 cts. postpaid.  
**HENRY A. DREER,**  
715 Chestnut St., Phila., Pa.

FULL SIZE  
No. 2





### Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars incased in iron, thereby eliminating all danger of bars decaying.
- 2nd. Can be used in conjunction with iron frame construction, thereby doing away with that very objectionable feature, "columns."
- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: Result, the driest roof ever used for greenhouse purposes.
- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

**William H. Lutton,** Horticultural Architect and Builder  
West Side Ave Station (C.R.R. of N.J.) Jersey City, N.J.

## KROESCHELL BOILER



**MADE OF FIRE BOX FLANGE PLATE**  
Can not Crack

Water Space in Front, Sides and Back  
The Most Popular Boiler Made

SEND FOR CATALOGUE.

**KROESCHELL BROS. CO.**  
35 Erie Street, CHICAGO, ILL.



### The Advance Ventilating Apparatus

is a very simple, complete machine that works very easy, is strong, because it is made of the best material in a mechanical manner and so easy to set up. One price to all and that a very moderate one, makes it the machine for all florists. Get our new circular, see the new things we have, scan our prices and give us a trial. You will come again as they all do.

**The Advance Co.**  
RICHMOND, IND.

## IRON PIPE

**SECOND HAND**

WROUGHT IRON PIPE, for Steam, Water, Gas or Oil, Fences or Posts.  
All Sizes. Price Low.

**GEO. B. DOANE & SON**  
18 Midway Street, BOSTON  
Telephone, Main 4419

## THE FOLEY MFG. CO.

**CHICAGO**

Completely equipped with up-to-date machinery for the making of material for

### GREENHOUSE CONSTRUCTION

From a Full Supply of Thoroughly Seasoned Lumber

Send your sketches to our draughtsmen for completion and suggestion.  
Permit us to figure your proposed work, large or small.

**We guarantee our prices will save you money**

**FOLEY VENTILATING APPARATUS IS THE BEST**

Is Simple in Erecting. Is Easiest of Operation. It Will Last a Lifetime. Its Price is the Lowest. Will Ventilate Any Size House. Prices and Circulars on Application.

Our 1908 Catalogue Greenhouse Material Sent Postpaid on Request.

**THE FOLEY MFG. CO., WESTERN AVENUE**  
25th and 26th STS., CHICAGO

### CYPRESS SASH BARS

82 feet or longer

HOT BED SASH

PECKY CYPRESS BENCH LUMBER

### GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

**The A. T. STEARNS LUMBER CO.**  
NEPONSET, BOSTON, MASS.

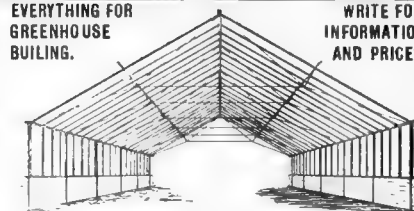
**GREENHOUSE CONSTRUCTION**  
LUMBER

**John C. Moninger Co.**  
117 E. Blackhawk St., CHICAGO.

Look through the Buyers' Directory and Ready Reference Guide. You will find some good offers there also.

EVERYTHING FOR  
GREENHOUSE  
BUILDING.

WRITE FOR  
INFORMATION  
AND PRICES.



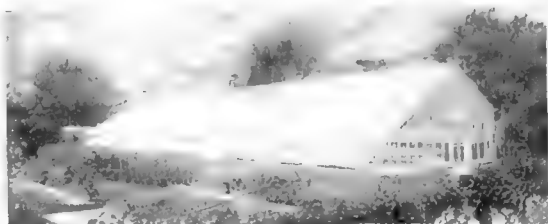
King Greenhouses. King Gutters and Eaves.  
Trussed Roofs. Ventilating Machinery.  
Trussed Iron Frame Houses.  
Tile Benches, and Pipe Hangers.

**KING CONSTRUCTION COMPANY**  
NORTH TONAWANDA, N. Y.

**Evans 20th Century Arm**  
Will not twist the shafting pipe. Three times the power of old style elbow arms. Sold only with Evans Challenge Machine.  
Write for free Catalogue to  
**QUAKER CITY MACHINE CO.**  
Richmond, Ind.



Awarded diploma and medal, 1907, for the celebrated  
Shower Maker, \$1.00  
Dealers and jobbers, ask for sample, price and list of electros for catalogs.  
**JOSEPH KOPJAS** South Bend, Ind.



## OUR IRON FRAME HOUSE

There is an argument—a strong argument—in favor of putting money into a house that is not an experimental construction. The THEORY of how long a house will last is a good talking point, but the FACT that our Iron Frame Construction has stood the test—the severest kind of tests—makes it the only SAFE PROPOSITION.

Send for our illustrated circular—Iron Frame Greenhouses for Private Places.

**Hitchings & Company**  
1170 Broadway New York



## On Page 13 of this Book

begins a chapter on "Planning and Locating Your Greenhouse." Gardeners and Superintendents find it of great value to them in deciding many a vexatious point. And there are over sixty other pages besides, filled with additional information and illustrations. We want every gardener and superintendent to have this book. We will send it free if when you write you will give us name of your employer.

**Lord & Burnham Co.**  
Main Sales Office: 1133 BROADWAY, N.Y.  
BOSTON: 81, Tremont Building. PHILADELPHIA: 1215 Filbert St.



## U-BAR ADAPTABILITY

You know how unattractive, absolutely factory like the usual greenhouse of the ordinary construction is. It isn't the kind of house that will harmonize with the attractive way grounds are being laid out these days.

But the U-Bar construction, because of its graceful lines and extreme lightness of effect makes a greenhouse adaptable to the most exacting requirements. See the illustration.

It is the ideal construction for private estates, parks, public institutions and florists' show rooms.

## U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS



U-BAR CO.

1 MADISON AVE. NEW YORK











New York Botanical Garden Library



3 5185 00256 8986

